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LELAND·STANFORD·JVNIOR·VNIVERSITY

THE

CONCHOLOGICAL

ILLUSTRATIONS,

BY

G. B. SOWERBY, JUN.

LONDON:

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BLOOMSBURY.

1841.

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NOTICE.

The artist and proprietor feels unwilling to present this series of Illustrations to the scientific public, without taking advantage of the opportunity afforded by its completion, to acknowledge his obligations for the support he has received. During the periodical issue of the parts, he has experienced the utmost kindness and attention from collectors, who have materially assisted him by throwing open their cabinets for his inspection, and by freely allowing him the use of their new and rare shells. He has also enjoyed a degree of patronage in the sale of the parts, which, although not amounting to a remuneration for the labour, has sufficed to meet the pecuniary expenses attending their production, and also to afford the prospect of ultimate advantage The 1,500 figures contained in the work, represent 1,000 new species and varieties of 21 different Genera, and include all the species of Cypræa, Chilina, Neritina, Margarita, Eulima, and Typhis.

The catalogues embrace 19 Genera, and contain a reference to the description and to the best figure of each species, as far as could be known, up to the date of their publication. Those which were published in the earlier part of the work are from the pen of Mr. G. B. Sowerby, Sen. For the four last, viz.—those of Chiton, Cardium, Murex, and Typhis, a younger and less experienced conchologist must be held responsible. With regard to the whole of them, it is hoped that although some errors and imperfections must have occurred, they will yet be found to present as complete and perfect accounts of the Genera of which they treat as could be expected, considering the intricacies and difficulties of the

task; and they will be found to assist materially in the advancement of conchological knowledge. The three remaining Genera, of which illustrations, but not catalogues, have been given, are accompanied by indices referring to descriptions and stating localities in every practicable instance.

A short interval will probably elapse before the commencement of a new series, and it is at present a subject of consideration whether the Illustrations will be continued in the same form. It has been suggested that monographs of Genera, with the figures on a reduced scale, could be published at a much smaller expense, in proportion to the number of species, and would be more generally useful than the present plan. In compliance with these suggestions, the proprietor is engaged in preparing monographs of several Genera, which will make their appearance at about the fall of the year, and the calculations made give reason to hope that the figures and descriptions may be produced at the rate of about one penny for each species.

From the fact that the figures contained in the present work, are constantly quoted by the English and Continental conchologists, who have written during the course of its publication, there can be no doubt of the desirableness of continuing to publish figures of species, accompanied by information respecting localities, characters, and nomenclature, and the artist would feel a pleasure in doing so, even had he no reason to hope for a greater amount of usefulness or of success than at present enjoyed; but the question is, whether, by altering the plan, and reducing the scale of the figures, he might not command a greater degree of success, and contribute to the advancement of conchological knowledge, to a wider extent. The experiment is about to be made, and in taking leave of the subscribers for a time, the gratifying hope is entertained, that the future re-appearance of the artist, will take place under the influence of their continued encouragement, strengthened by that of many other friends to the science.

DIRECTIONS TO THE BINDER.

The lists printed on small paper and published with each part are to be cancelled.

The Plates, Catalogues, Indices, &c. should follow each other in the order indicated in the "Table of Contents."

The word at the head of each plate will point out the genus to which it belongs, and the figures connected with the subjects will shew the order in which the plates of each genus follow each other. They should be placed, so as to lie open on the right side of the book.

The former edition of those Catalogues which have been reprinted, in consequence of having been printed originally on small paper, must be cancelled. The reprints are contained in No. 200.

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(The word "*all*" placed against figures in the 3rd column, signifies that the whole of the known species are represented.

The letters "*re*" distinguish those catalogues, which have been re-printed, and of which the old copies are to be cancelled.)

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Nucula	14 15 16	24	25	Catalogue and Index	4 re.
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Chilina	135 136	13 all	21all	Catalogue and Index	2 re.
Neritina	86 87 90 91 94 to 100	66 all	125all	Catalogue and Index	4 re.
Eulima	52 53	19 all	19all	Catalogue and Index	2 re.
Margarita	132 133 134	15 all	30all	Catalogue	2
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Murex	58 to 67 187 to 199	112	128	Catalogue and Index	12
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Ranella	84 85 88 89 92 93	25	37	Index, localities, &c.	2
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A CATALOGUE

OF THE

RECENT SPECIES OF THE GENUS AMPHIDESMA.

---

1. variegatum *Lam.* Spec. Conch. *Amphidesma.* f. 1, 2, 3. Brazil.
2. pulchrum *nob.* Z. P. 1832, Dec. Conch. Ill. f. 2. St. Elena. W. Columbia. var. f. 2* Panama. Mr. Cuming.
3. pallidum *nob.* Z. P. 1832, Dec. Conch. Ill. f. 3. Salango, W. Col. Mr. Cuming.
4. formosum *nob.* Z. P. 1832, Dec. Conch. Ill. f. 8. St. Elena. Mr. Cuming.
5. roseum *nob.* Z. P. 1832, Dec. Conch. Ill. f. 1. Tumbez, Peru. Mr. Cuming.
6. ellipticum *nob.* Z. P. 1832, Dec. Spec. Conch. f. 17. Monte Christi, W. Col. Mr. Cuming.
7. australe *nob.* Z. P. 1832, Dec. Conch. Ill. f. 4. Lord Hood's Island, S. Seas, Mr. Cuming, and N. S. Wales, G. Humphrey.
8. corrugatum *nob.* Z. P. 1832, Dec. Spec. Conch. f. 18. Iquiqui, Peru. Mr. Cuming.
9. subtruncatum *nob.* Spec. Conch. f. 5, 19, 20. West Indies.
10. solidum *Gray*, Spicilegium Zoologicum part 1, p. 6, t. 6, f. 6, Spec. Conch. f. 6. Valparaiso, Mr. Cuming.
11. cordiforme, *nob.* Spec. Conch. f. 7. Tellina Cordiformis Chemn. XI. f. 1931, 1932. Indian Ocean.
12. Rupium *nob.* Z. P. 1832, Dec, Conch. Ill. f. 10. Lord Hood's Island. var. f. 10* Galapagos Islands. Mr. Cuming.
13. cancellatum *nob.* Spec. Conch. f. 8. Antigua and St. Vincents.

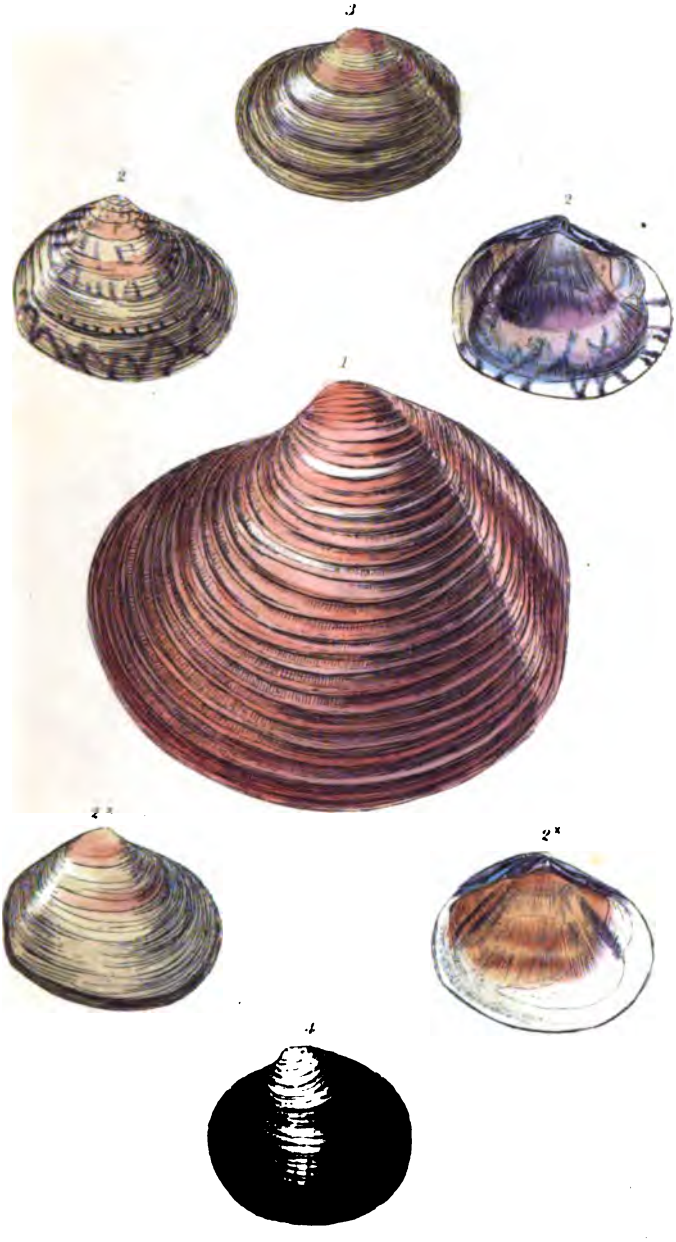
14. lamellosum *nob.* Spec. Conch. f. 9, 19. Indian Ocean.
15. reticulatum *nob.* Spec. Conch. f. 11, 12. Brazil and W. Indies.
16. crenulatum *nob.* Spec. Conch. f. 13.
17. duplicatum *nob.* Spec. Conch. f. 14, 15. Ceylon.
18. punctatum *nob.* Z. P. 1832, Dec. Conch. Ill. f. 7. Galapagos Islands. Mr. Cuming.
19. purpurascens *nob.* Z. P. 1832, Dec. Conch. Ill. f. 5. St. Elena. W. Col. Mr. Cuming.
20. multicostatum *nob.* Spec. Conch. f. 16.
21. lenticulare *nob.* Z. P. 1832, Dec. Conch. Ill. f. 9. St. Elena, W. Col. Mr. Cuming.
22. læve *nob.* Z. P. 1832, Dec. Conch. Ill. f. 6 Xipixapi. W. Col. Mr. Cuming.
23. prismaticum *Lam.* Spec. Conch. f. 21. British.
24. tenue *Lam.* Spec. Conch. f. 22. British.
25. Boysii *Lam.* Spec. Conch. f. 23. British.
26. Siculum *nob.* Spec. Conch. f. 24. Sicily.

LIST OF FIGURES. Parts 17 to 19.

Fig. 1. A. roseum.
2. A. pulchrum.
2.*A. pulchrum, var.
3.*A. pallidum.
4. A. australe.
5. A. purpurascens.

Fig. 6. A. læve.
7. A. punctatum.
8. A. formosum.
9. A. lenticulare.
10. A. Rupium.
10.*A. Rupium, var.

Amphidesma.



G.B.S. jun. exc.

Amphidesma

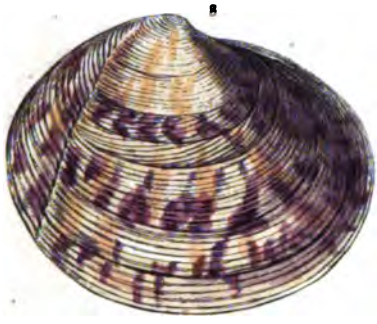
5

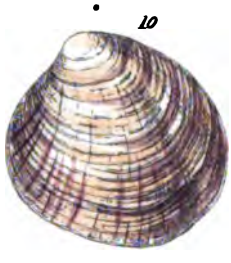
7

6

5

Amphidesma





CARDIUM.

A

CATALOGUE OF RECENT SPECIES,

BY

By G. B. SOWERBY, Jun.

No.

1 C. costatum, *Linn.* Syst. Nat. p. 1121. *Chemn.* Conch. t. 15, f. 151. 152. Africa.

2 C. indicum, *Lam.* Anim. sans vert. t. 6, p. 4. Con. Illus. f. 46. N.W. coast of America.

3 C. ringens, *Lam.* Brug. Dict. No. 21. Chemn. Conch. t. 16, f. 170. Gambia, Africa.

4 C. Sinense, *Sow. jun.* Zool. Proc. 1840. Con. Illus. f. 35. China.

5 C. Asiaticum, *Brug.* Dict. No. 19. Chemn. Conch. t. 15, f. 153, 154, Nicobar Isl.

6 C. laticostatum, *Sow.* Zool. Proc. 1833. p. 85. Con. Illus. f. 30. Xipixapi, West Colombia. Mr. Cuming.

7 C. fimbriatum, *Lam.* Anim. sans vert. t. 6. p. 5. Beech. Zool. t. xlii. f. 1. *Wood* Gen. Conch. t.—. China.

8 C. tenui-costatum. *Lam.* Anim. sans vert. t. 6. p. 5. Con. Illus. f. 62. (tenue) f. 36. (varium.) f. 19. Swan River, N. Holland.

9 C. ~~striatulum~~, *Sow. jun.* Zool. Proc. 1840. Con. Illus. Sydney. f. 16. 45. Australia, ~~New-Zealand~~, Mr. G. Benett.

10 C. Australe, *Sow. jun.* Zool. Proc. 1840. Con. Illus. f. 12* (C. Sauciatum, Beck.—?) Australia, (Var.) China, Ceylon.

11 C. Cumingii. *Brod.* Zool. Proc. 1833. p. 82. Con. Illus. f. 5. Central Amer. G. of Dulce. Mr. Cuming.

12 C. apertum, *Brug.* Dict. No. 22. Chem. Conch. t. 18. f. 181-3. Jamaica.

No.

13 C. papyraceum, *Brug.* Dict. No. 29. Chemn. Conch. t. 18, f. 184, Con. Illus. f. 55. 56. Japan.

14 C. bullatum, *Lam.* Anim. sans vert. t. 6, p. 6. Solen bullatus, *Linn.* C. Soleniforme, *Brug.* Chem. Conch. t. 6. f. 49. 50. Jamaica, St. Vincents.

15 C. aspersum, *Sow.* Zool. Proc. 1833. p. 85. Con. Illus. f. 15. St. Elena. Mr. Cuming.

16 C. ringiculum. *Sow. Jun.* Zool. Proc. 1840. Con. Illus. f. 11. St. Vincents.

17 C. latum, *Brug.* Dict. No. 33. Chemn. t. 19, f. 192. 193. Asia.

18 C. Pseudolima, *Lam.* Anim. sans. vert. t. 6, p. 7. Con. Illus. f. 67. Red Sea.

19 C. Icelandicum, *Gmel.* p. 3252. Chemn. t. 19, f. 195. 196. Iceland.

20 C. punctulatum, *Brod. & Sow.* Zool. Journ. iv. p. 366. Con. Illus. f. 7. Loc. not known.

21 C. rusticum, *Linn.* Syst. Nat. p. 1124. Chemn. Conch. t. 19. f. 197. test. Jun. C. fasciatum, *Mont.* Test. Brit. Suppl. p. 30, t. 27, f. 6. Britain & Mediterranean.

22 C. edule. *Linn.* Syst. Nat. p. 1125, Chemn. Conch. t. 19, f. 194. var. C. crenulatum. *Lam.* Britain.

23 C. nodosum, Montagu, Test. Brit. p. 81. Turton. Brit. Biv. pl. 13, f. 8. Britain.

24 C. ovale, *Nob.* C. elongatum (preoccupied) *Mont.* Test. Brit. p. 82. Turt. Brit. Biv. t. 13, f. 9. Britain.

25 C. exiguum, *Gmel.* 3255, Lister. t. 317, f. 154. Britain.

26 C. Siculum, *Sow. jun.* Zool. Proc. 1840. Con. Illus, f. 31. Sicily.

27 C. Arcticum, *Sow. jun.* Zool. Proc. 1840. Con. Illus. f. 26. Arctic Seas.

28 C. tuberculatum, *Linn.* Syst. Nat. p. 1122. Chemn. Conch. t. 17, f. 173. Britain and Mediterranean.

29 C. paucicostatum, *Sow. jun.* Zool. Proc. 1840. Con. Illus. f. 20. Sicily.

No.

30 C. Deshayesii, *Payr.* p. 56, t. 1, f. 33. 35. Con. Illus. f. 70. Sicily.

31 C. echinatum, *Linn.* Syst. Nat. p. 1122. Chemn. Conch. t. 200, f. 1951-3. test. jun. C. ciliare. Gmel. 29. Britain and Sicily.

33 C. aculeatum. *Linn.* Syst. Nat. p. 1122. Chemn. Conch. t. 15, f. 156. Europe.

34 C. erinaceum. *Lam.* Anim. sans vert. t. 6. p. 8. Chemn. Conch. t. 15. f. 157. Mediterranean.

35 C. multispinosum, *Sow. jun.* Zool. Proc. 1840. Con. Illus. f. 38, 38. a. Misamis, Isl. Mindinao. Mr. Cuming.

36 C. exasperatum, *Sow. jun.* Zool. Proc. 1840. Con. Illus. f. 37. Swan River.

37 C. papillosum, *Poli* Test. utriusque Siciliæ, Con. Illus. f. 69. Sicily.

38 C. graniferum, *Brod.* and *Sow.* Zool. Journ. iv. p. 367. Con. Illus. f. 17. Pacific Ocean. Mr. Cuming.

39 C. Isocardia, *Linn.* Syst. Nat. p. 1122. Chemn. Conch. t. 17, f. 174, 176. America.

40 C. Consors. *Sow.* Zool. Proc. 1833. p. 85. Con. Illus. f. 8. St. Elena. Guacomayo, Mr. Cuming. The imbrications on the ribs are closer than in C. Isocardia.

41 C. Belcheri *Brod. & Sow.* Zool. Journ. iv. p. 366. Tab. ix. f. 3. Coast of California and Panuma.

42 C. muricatum, *Linn.* Syst. Nat. p. 1123. Chemn. Conch. t. 17, f. 177. West Indies.

43 C. senticosum, *Sow.* Zool. Proc. 1833. p. 84. Con. Illus. f. 10. St. Elena. Rounder than C. muricatum, and tubercles not so oblique. Mr. Cuming.

43.*C. Radula, *Brod. & Sow.* Zool. Journ. IV. p. 336. We have not seen this shell. It is in Mr. Bland's collection.

44 C. foveolatum, *Sow. Jun.* Zool. Proc. 1840. Con. Illus. f. 65. Swan River.

No.

45 C. variegatum, *Sow. jun.* Zool. Proc. 1840. Con. Illus. f. 57. Ribs much closer than in C. muricatum.

46 C. unicolor, *Sow, jun.* Zool. Proc. 1840. Con. Illus. f. 29. 42. Brazils.

47 C. multistriatum, *Sow.* Zool. Proc. 1833. p. 85. Con. Illus. f. 59. St. Elena, Mr. Cuming.

48 C. maculosum, *Wood.* Gen. Conch. p. 218, t. 52, f. 3. Con. Illus. f. 63. Ceylon.

49 C. impolitum, *Sow. jun.* Zool. Proc. 1840. Con. Illus. f. 6. 66. China.

50 C. Oxygonum, *Sow. jun.* Zool. Proc. 1840. Con. Illus. f. 9. China.

51 C. angulatum, *Lam.* Anim. sans vert. Seba. Mus. 3, t. 86, f. 6. America? The grooves of this common species are deep; the ribs angular and serrated; the shell oval, ventricose.

52 C. marmoreum, *Lam.* Anim. sans vert. Chemn. Conch. t. 17, f. 179. Jamaica. Flatter than the last, with the anterior ribs smoother, and not so deep.

53 C. Orbita, *Brod. & Sow.* Zool. Proc. 1833. p. 85. Con. Illus. f. 13. Isl. Annaa, Pacific. O. More oblique, more closely tuberculated and ribbed that C. marmoreum. Mr. Cuming.

54 C. elongatum, *Lam.* Brug. Dict. No. 26. Con. Illus f. 49. (not the figures doubtfully referred to by *Brug. & Lamarck.*) More ventricose, and elongated than the two last, with 39 or 40 flattened ribs; Ticao, Philippines, Mr. Cuming.

55 C. subelongatum, *Sow. jun.* Zool. Proc. 1840. Con. Illus. f. 61. Ribs fewer and wider apart than in the last.

56 C. maculatum, (Altered from maculosum, preoccupied) *Sow.* Zool. Proc. 1833. p. 85. Con. Illus. f. 18. California. Ribs flattened, nearly smooth; shell not so oblique as C. subelongatum.

No.

57 C. enode, *Sow. jun.* Zool. Proc. 1840. Con. Illus. f. 51. Shell more spread, less ventricose, with ribs flatter and closer than in C. elongatum.

58 C. rugosum, *Lam.* Anim. sans vert, t. 6, p. 10. C. magnum, *Chemn.* Conch. t. 19, f. 191. Yellow var. C. flavum. Linn? Con. Illus. (C. subrugosum) f. 32. Dark spotted, Con. Illus. f. 39. Pink spotted, Con. Illus. f. 41. Ceylon, Java.

59 C. subrugosum, *Sow. jun.* Zool. Proc. 1840. Con. Illus. f. 34, 71. Dr. Sibbald. Ribs less elevated, shell less spread, anterior side smoother than the last.

60 C. alternatum, *Sow. jun.* Zool. Proc. 1840. Con. Illus. f. 64. Ticao, Philippines. On the Coral Reefs. Mr. Cuming.

61 C. procerum, *Sow.* Zool. Proc. 1833. p. 83. Con. Illus. f. 23. Real Llejos, Central America. Mr. Cuming.

62 C. Panamense. *Sow.* Zool. Proc. 1833. p. 85. Con. Illus. f. 21. Panama. Mr. Cuming. Ribs fewer and more angulated than in C. procerum.

63 C. ventricosum, *Brug.* Dict. 25. C. magnum, *Born.* E. M. pl. 299. f. 1. Carolina.

64 C. sulcatum, *Lam.* Anim. sans vert. tom. 6. p. 10. C. oblongum, *Chemn.* Conch. t. 19. f. 90. C. flavum, *Born.* Mediterranean. A shell has been collected at Plymouth by Mr. Cuming, which is distinct from C. serratum, and may probably turn out to be a British variety of this species.

65 C. elatum, *Sow.* Zool. Proc. 1833. p. 84. Con. Illus. f. 3. California.

66 C. serratum, *Linn.* Syst. Nat. 1123. E. M. 299. f. 2. C. lævigatum. *Wood.* pl. 54, f. 1. Britain.

67 C. Grœnlandicum, *Gmel.* P. 3252. Chemn. Conch. t. 19, f. 148. var. edentula. *Sow.* gen. of Sh. Greenland.

68 C. biradiatum, *Brug.* Dict. 28. Chemn. Conch. t. 18, f. 185, 186. Ceylon.

No.

69 C. attenuatum, *Sow. jun.* Zool. Proc. 1840. lævigatum, var. biradiatum, *Wood*, Gen. Conch. pl. 54, f. 2. Very much more elongated than the last. Ceylon.

70 C. multipunctatum, *Sow.* Zool. Proc. 1833. p. 84. Con. Illus. f. 14. China.

71 C. lævigatum, *Linn.* Syst. Nat. p. 1123. Chemn. Conch. t. 18, f. 189. C. citrinum, *Gmel.* Wood Gen. Conch. pl. 54. f. 3. Atlantic. This name is erroneously applied by some authors to the British C. serratum.

72 C. Brasilianum, *Lam.* Anim. sans vert. t. 6, p. 5. Con. Illus. f. 60. Brazil.

73 C. Elenensis, *Sow. jun.* Zool. Proc. 1840. Con. Illus. f. 58. St. Elena. Not so much elongated posteriorly as the last; not lineated. Mr. Cuming.

74 C. Mortoni, *Conrad.* Boston journal? Con. Illus. f. 53, 54. America. More rounded than C. Elenensis, and nearly equilateral.

75 C. fragile, *Sow. jun.* Zool. Proc. 1840. Con. Illus. f. 68.

76 C. Æolicum, *Born.* Mus. Cæs. p. 36. C. pectinatum, Linn? Chemn. Conch. t. 18, f 187, 188. Indian Ocean, China.

77 C. lyratum, *Sow.* Zool. Proc. 1840. Con. Illus. f. 40. N. Guinea. This species has no smooth surface on the posterior side, as in C. Æolicum.

78 C. lineatum, *Lam.* Anim. sans vert. v. 6, p. 17. Con. Illus. f. 43. ~~America.~~ Caribean Sea.

79 C. Donaciforme, *Schroeter*, Einl. Conch. t. 3, p. 68. Con. Illus. f. 27. Asiatic Ocean. Tranquebar.

80 C. parvum, *Sow. Jun.* Zool. Proc. 1840. Con. Illus. f. 33.

81 C. medium. *Linn.* Syst. Nat. 1122. Chemn. Conch. t. 16, f. 162, 164. St. Vincents.

No.

82 C. biangulatum, *Sow.* Zool. Journ iv. p. 367. Con. Illus. f. 2. St. Elena, Mr. Cuming.

83 planicostatum, *Sow.* Zool. Proc. 1833. p. 83. Con. Illus. f. 25. Guacomayo. Mr. Cuming.

84 C. fornicatum, *Sow. Jun.* Zool Proc. 1840. Con. Illus. f. 50.

85 C. imbricatum, *Sow. Jun.* Zool. Proc. 1840. Con. Illus. f. 48. Swan River.

86 C. Unedo, *Linn.* Syst. Nat. p. 1123. Chemn. Conch. t. 16, f. 168, 169. Ceylon.

87 C. Fragum, *Linn.* Syst. Nat. p. 1123. Chemn. Conch. t. 16, f. 166. 167. Red Sea.

88 C. Hemicardium, *Linn.* Syst. Nat. p. 1121. Chemn. Conch. t. 16, f. 159, 161. Indian Ocean.

89 C. tumoriferum, *Lam.* Anim. sans vert. t. 6, p. 15. Con. Illus. f. 22. New Holland. Ribs narrower and tubercles smaller than in the last.

90 C. obovale, *Sow.* Zool. Proc. 1833. p. 84. Con. Illus. f. 4. Xipixapi. Mr. Cuming.

91 C. subretusum, *Sow. jun.* Zool. Proc. 1840. p. 84. Con. Illus. f. 24.

92 C. retusum, *Linn.* Syst. Nat. p. 1121. Chemn. Conch. t. 14, f. 139, 140. Suez, Arabia.

93 C. Auricula, *Forskäll.* Fauna Arabica. f. 122, No. 52. Con. Illus. f. 47. Suez, Arabia.

94 C. Dionæum, *Sow.* Zool. Journ. iv. p. 367. Beech. Zool. t. 42, f. 6. 6. Con. Illus. f. 52. S. Pacific Ocean.

95 C. Cardissa, *Linn.* Syst. Nat. p. 1121. *Sow.* gen. of Sh. f. 5. test. jun. (C. Dionæum) Con. Illus. f. 1. 1.* (C. unimaculatum,) f. 1.** S. Pacific Ocean. *Nearly equilateral.*

96 C. Junoniæ, *Lam.* Anim. sans vert. t. 6, p. 17. Chemn. Conch. t. 14, f. 147, 148. C. Humanum, *Wood.* indian Ocean. *Posterior side concave.*

97 C. inversum, *Lam.* Anim. sans vert. t. 6, p. 17. Chemn. Conch. t. 14, f. 149, 150. Indian Ocean. *Anterior side concave.*

CORRECTED LIST OF FIGURES.

CARDIA ;—Parts 46 to 51, 149—150, 177 to 186

FIG.
1 1.* 1.** C. Cardissa, Sp. 95, young.
2 C. biangulatum, Sp. 82.
3 C. elatum, Sp. 65.
4 C. obovale, Sp. 90.
5 C. Cumingii Sp. 11.
6 C. impolitum, Sp. 49.
7 C. punctulatum, Sp. 20.
8 C. Consors, Sp. 40.
9 C. Oxygonum, Sp. 50.
10 C. senticosum, Sp. 43.
11 C. ringiculum, Sp. 16.
12* C. Australe, Sp. 10.
13 C. Orbita, Sp. 53.
14 C. multipunctatum, Sp. 70.
15 C. aspersum, Sp. 15.
16 C. striatulum, Sp. 9.
17 C. graniferum, Sp. 38.
18 C. maculatum, Sp. 56.
19 C. tenuicostatum, Sp. 8.
20 C. paucicostatum, Sp. 29.
21 C. Panamense, Sp. 62.
22 C. tumoriferum, Sp. 89.
23 C. procerum, Sp. 61.]
24 C. subretusum, Sp. 91.
25 C. planicostatum, Sp. 83.
26 C. arcticum, Sp. 27.
27 C. Donaciforme, Sp. 79.
28 C. echinatum, var. Sp. 31.
29 C. unicolor, Sp. 46.
30 C. laticostatum, Sp. 6.
31 C. Siculum, Sp. 26.
32 C. rugosum, var. Sp. 58.
33 C. parvum, Sp. 80.
34 C. subrugosum, Sp. 59.

FIG.
35 C. Sinense, Sp. 4.
36 C. tenuicostatum, Sp. 8.
37 C. exasperatum, Sp. 36.
38 C. multispinosum, Sp. 35.
39 C. rugosum, var. Sp. 58.
40 C. lyratum, Sp. 77.
41 C. rugosum, var. Sp. 58.
42 C. unicolor, Sp. 46.
43 C. lineatum, Sp. 78.
44 C. lineatum, young, Sp. 78.
45 C. striatulum, Sp. 9.
46 C. indicum, Sp. 2.
47 C. Auricula, Sp. 93.
48 C. imbricatum, Sp. 85.
49 C. elongatum, Sp. 54.
50 C. fornicatum, Sp. 84.
51 C. enode, Sp. 57.
52 C. Dionæum, Sp. 94.
53, 54, C. Mortoni, Sp. 74.
55, 56, C. papyraceum, Sp. 13.
57 C. variegatum, Sp. 45.
58 C. Elenense, Sp. 73.
59 C. multistriatum, Sp. 47.
60 C. Brasilianum, Sp. 72.
61 C. subelongatum, Sp. 55.
62 C. tenuicostatum, Sp. 8.
63 C. maculosum, Sp. 48.
64 C. alternatum, Sp. 60.
65 C. foveolatum, Sp. 44.
66 C. impolitum, Sp. 49.
67 C. Pseudolima, Sp. 18.
68 C. fragile, Sp. 75.
69 C. papillosum, Sp. 37.
70 C. Deshayesii, Sp. 30.
71 C. subrugosum, Sp. 59.

George Odell, Printer, 18, Princes-street, Cavendish-square, London.

Cardium.

2 biangulatum.

1 cardissa

2

3

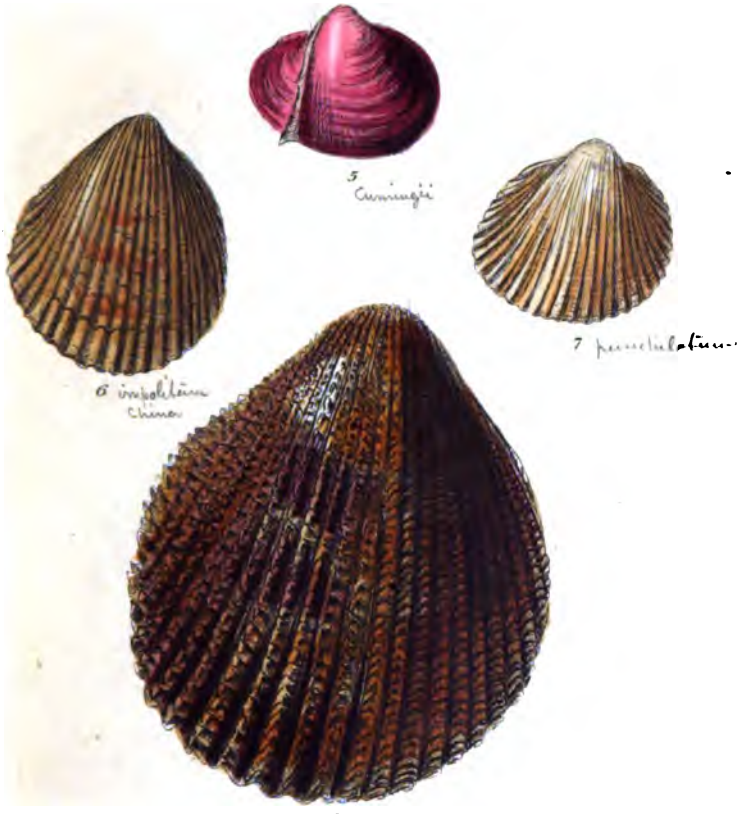
1*

1**

4

G.B.S. jun. sc.

Cardium.



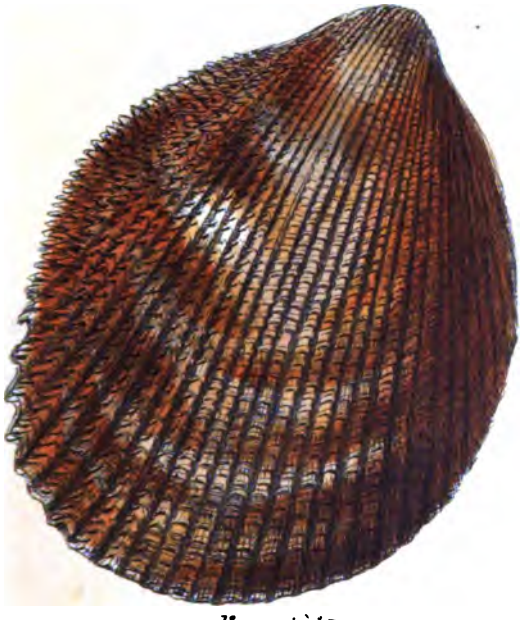
G.B.S.jun.exc.

Cardium.

12 australe.

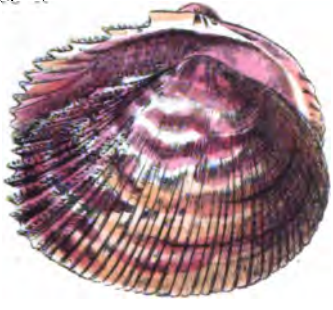
11 ringiculum

12*



13 orbita

14 multipunctatum.



15

G.B.S. jun

Cardium.

16 pulchellum.
striatulum

17 graniferum
Pacifici

18 maculatum. Californica.

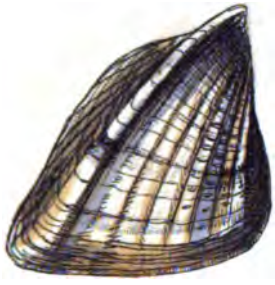
19 tenuicostatum
(varium.)

20

21

G.B.S.jun.exc

Cardium.



22

tumoriferum.

22

23 brocerum.

24

Subrhaxum

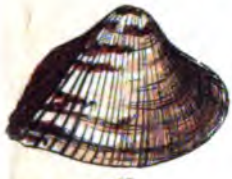
24

25 [illegible]

G.B.S. jun. exc.

Cardium.

26 arcticum



27

27

28 echinatum

31

29 unicolor. fragilis

31

30

G.B.S. jun. del.

Dec. 1839

Cardium.

32 rugosum.

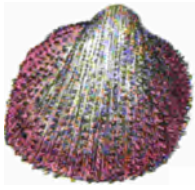
33 parvum

35 Sinense
Clinia

34 Subrugosum

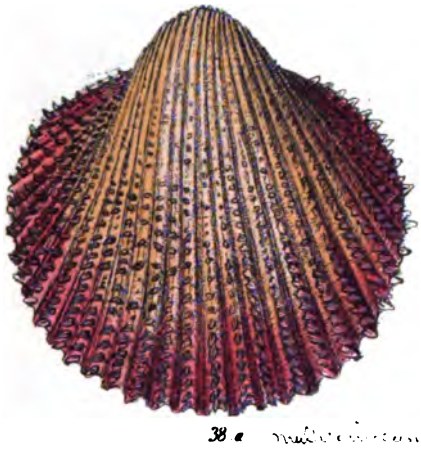
36 [illegible]

Cardium.



37 exasperatum. Swan R.

37



38 a [illegible]

38 b

39

Cardium

44

40 Cyrolum.

44 Cuneatum (young) Cassia

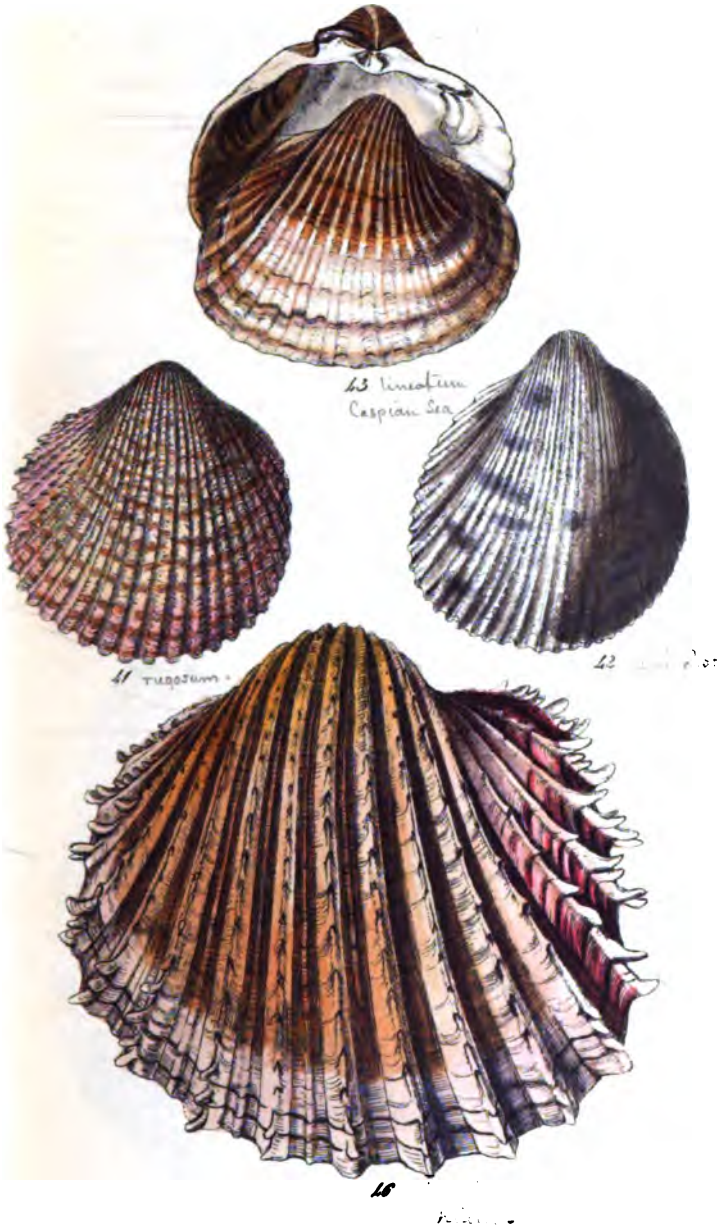
45

Achellum.
Sydney.

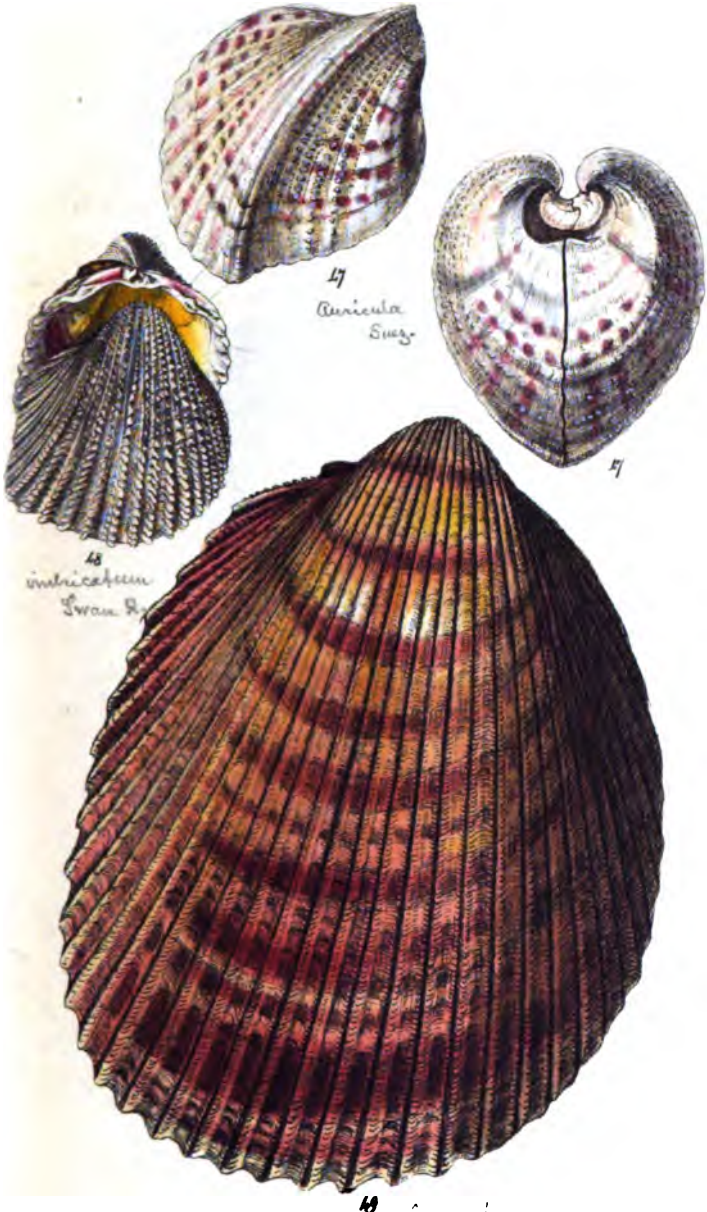
45

46

Cardium



Cardium

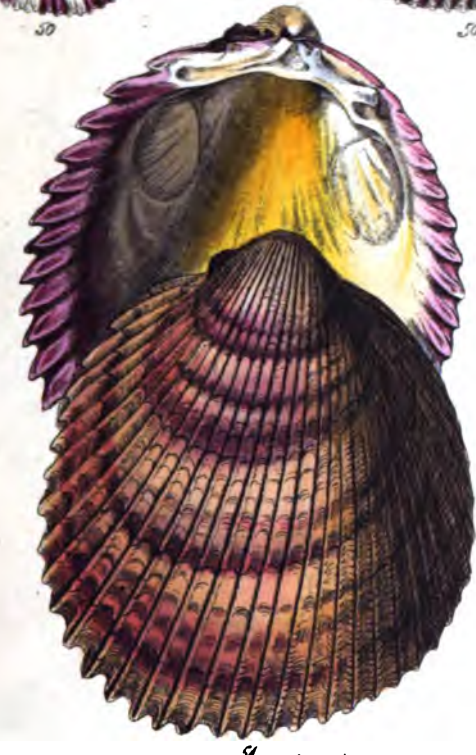


Cardium

50

50 a

50 fornicatum. New Caledonia



51 e nodi

54

53

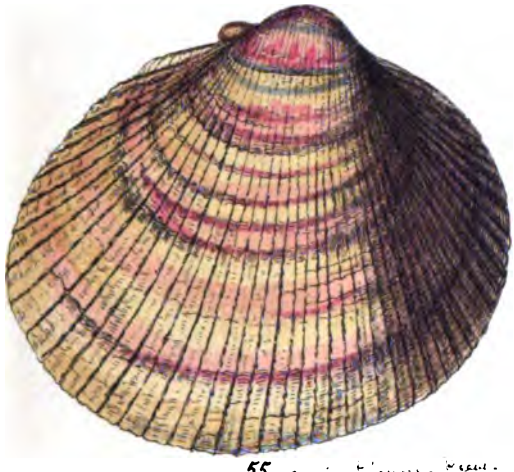
Mortoni. N. America

52

Cardium

58 Elenense.

58 Elenense



55 C. maticum. Reeve.

57 variegatum.

56 [illegible]

Cardium

60 Brazilianum

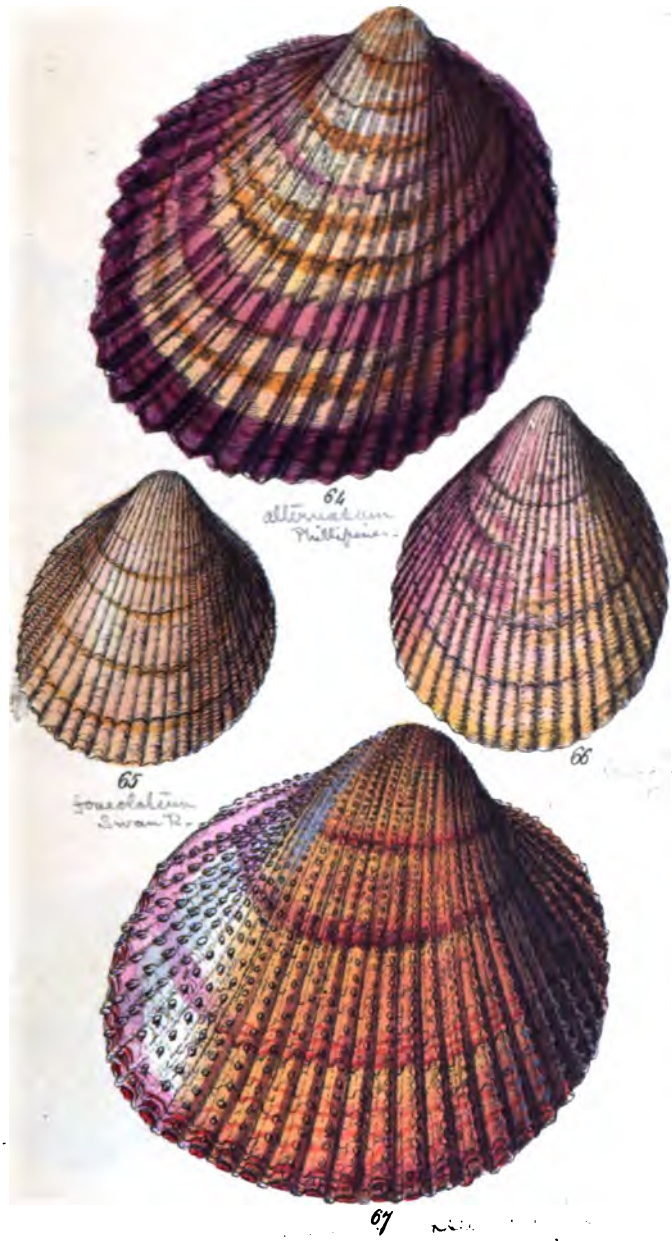
59 multistriatum

61 Subdongatum

63 maculosum

62

Cardium



A CATALOGUE

OF

RECENT SPECIES OF NUCULÆ

* *LANCEOLATÆ.*

1 lanceolata *Lam.* Sowerby Gen. of Shells, No. 17, f. 1. Conch. Illustr. f. 1. Xipixapi.

2 Elongata *nobis.* Z. P. 1832, Dec. Conch. Illustr. f. 2. Salango, Mr. Cuming.

3 Tellinoides *nobis*, Gen. of Shells, No. 17, f. 2. Cumana.

4 Crenifera *nobis*, Z. P. 1832, Dec. Conch. Illustr. f. 3. Xipixapi, Mr. Cuming.

** *ROSTRATÆ.*

5 arctica, *Brod.* and *Sow.* IV. pl. IX. f. 1. Kamtschatka.

6 Nicobarica *Lam.* Conch. Illustr. f. 4.

7 curvirostrum, Humphrey M. S. Conch. Illustr. f. 5. Shell oblong, thin, pellucid, white, smooth, rather gibbous; anterior side rounded, posterior acuminated, turned upward, with three crenated ridges; surface covered with oblique, nearly longitudinal grooves: length 0·7, breadth 0·25, height 0·4. Coast of Guinea, *Humphrey. Arca rostrata* Mont. Test. Brit. Sup. p. 55. t. 27.

8 Pella *Lam.* Sowerby's Gen. of Shells No. 17. f. 4. Conch. Illustr. f. 6.

9 glacialis *Wood* Sup. pl 2. f. 6.

10 fluviatilis *nobis*, Sow. Gen. of Shells, No. 17, f. 3. (*N. rostrata Lam.*) Rivers of Coromandel, Schroëtter.

11 minuta *Mont.* Test. Brit. p. 144. Sowerby Gen. of Shells, No. 17, f. 5. (*N. rostrata* Sowerby) British.

12 parva *nobis*, Conch Illustr. f. 7. Shell oblong, white, thickish, with an olivaceous epidermis, longitudinally

grooved; anterior side rounded, posterior rather beaked, angular: dorsal posterior area not grooved; length 0·5, breadth 0·2, height 0·3. The only specimen I have seen was brought from Melville Island in 1821, by Captain Parry.

13 costellata *nobis*, Z. P. 1832, Dec. Conch. Illustr. f. 8. Panama. Mr. Cuming.

14 gibbosa *nobis*, Z. P. 1832, Dec. Conch. Illustr. f. 9. Gulf of Nocoiyo. Mr. Cuming.

15 eburnea *nobis*, Z. P. 1832, Dec. Conch Illustr. f. 10. Bay of Caraccas. Mr. Cuming,

16 polita *nobis*, Z. P. 1832, Dec. Conch. Illustr. f. 11. Panama. Mr. Cuming.

17 nasuta, *nobis*, Conch. Illustr. f. 12. Shell oblong, white, very finely longitudinally striated; anterior side rather shorter than the posterior, rounded; posterior acuminated, slightly turned upwards, with an elongated longitudinally striated dorsal area: length 0·8, breadth 0·33, height 0.4. From the East Indies. G. Humphrey.

18 Fabula, *nobis*, Conch. Illustr. f. 13. Shell ovate, white, obliquely striated, nearly equilateral, anterior side rounded, posterior acuminated, slightly turned upwards, with two ridges passing from the umbones to the acuminated extremity, the upper of which is crenated, forming a dorsal posterior area: length 0 4, breadth 0.15, height 0·25.

19 Elenensis *nobis*, Z. P. 1832, Dec. Conch. Illustr. f. 14. St. Elena, Mr. Cuming.

20 cuneata *nobis*, Z. P. 1832, Dec. Conch. Illustr. f. 15. Valparaiso. Mr. Cuming.

21 striata *nobis*, Conch Illustr. f. 16. Shell ovate, white, concentrically striated, nearly equilateral, anterior and posterior dorsal slopes nearly equal; anterior side slightly acuminated, rounded; posterior side acuminated, with an indistinct dorsal area: length 0·55, breadth 0·3, height 0 4. From China, G. Humphrey.

22 Mauritiana *nobis*, Conch. Illustr. f. 17. Shell ovate white, concentrically grooved, nearly equilateral, anteriorly rounded, posteriorly acuminated; dorsal slope nearly equal on both sides; length 0.4, breadth 0·2 height 0.25. From the Mauritius, G. Humphrey.

23 limatula *Say*, American Conchology t. 12.

24 lævis *Say*, Amer. Conch. t. 12.

25 concentrica *Say*, Amer. Conch. t. 12.

*** *ELLIPTICÆ.*

26 margaritacea *Lam.* Sow. Gen. of Shells, f. 7. British.

27 decussata *nobis*, Conch. Illustr. f. 18. Shell somewhat triangular, white, decussately striated; anterior side shorter, its slope rather elevated in the middle; posterior side much longer, oblique; ventral margin rounded its edge crenated; length 0·85, breadth 0·4, height 0·6. Brought from the Coast of Guinea, in 1788, G. Humphrey.

28 rugulosa *nobis*, Conch. Illustr. f. 19. Shell ovate triangular, with a greenish epidermis, covered with rugulose striæ; angles obtuse; anterior slope with a central elevation; posterior slope somewhat rounded; ventral margin very finely crenulated; length 0 5, breadth 0·25, height 0·4.

29 nitida *nobis*, Conch. Illustr. f. 20. Shell ovate subtriangular, smooth, shining, white, with an olive coloured epidermis; posterior slope somewhat rounded, anterior nearly straight, with a central elevation; length 0·5, breadth 0·25, height 0·4. Common on the British Coast.

30 obliqua *Lam.* Conch. Illustr. f. 21. Valparaiso, Mr. Cuming.

31 tenuis *Mont.* Test. Brit. Sup. p. 56. t. 29. f. 1. Scarborough, Frith of Forth, &c.

32 convexa *nobis*, Conch. Illustr. f. 22. Shell ovate, turgid, whitish, smooth; anterior side shorter, slightly acumi-

nated; posterior side much longer, dorsal slope rounded; ventral margin entire; hinge pit very oblique, teeth of anterior side very few; length 0·55, breadth 0·35, height 0·4. From China, G. Humphrey.

33 Pisum. *nobis*, Z. P. 1832, Dec. Conch. Illustr. f. 23, Valparaiso. Mr. Cuming.

34 exigua *nobis*, Z. P. 1832, Dec. Conch. Illustr. f. 21. and magnified f. 24*. Bay of Caraccas. Mr. Cuming.

LIST OF FIGURES.

Fig. 1. N. Lanceolata.
2. N. elongata.
3. N. crenifera.
4. N. nicobarica.
5. N. curvirostra,
6. N. Pella.
7. N. parva.
8. N. costellata.
9. N. gibbosa.
10. N. eburnea.
11. N. polita.
12. N. nasuta.

Fig. 13. N. Fabula.
14. N. Elenensis.
15. N. cuneata.
16. N. striata.
17. N. Mauritiana.
18. N. decussata.
19. N. rugulosa.
20. N. nitida.
21. N. obliqua.
22. N. convexa.
23. N. Pisum.
24. N. exigua.
24.*N. exigua. *mag.*

Nucula.

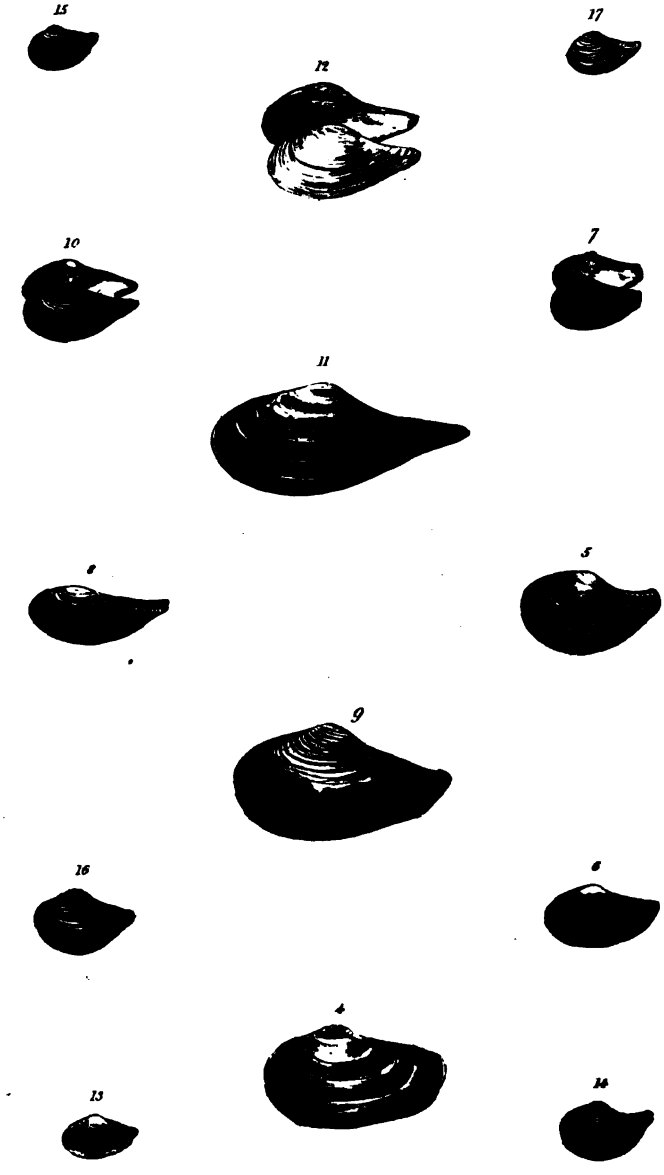
1

2

3

G.B.S. jun. del.

Nucula.



G.B.S. jun. acc.

A CATALOGUE

OF THE

RECENT SPECIES OF CHITONES.

No.

1 Ch. Echinatus, *Barnes*, Amer. Journ. of Sc. vol. 7, No. 1, 1823. Tuberculiferus. *Sow.* Tanc. Cat. Spiniferus, Frembly, Zool. Journ. vol. 3, p. 196, Suppl. pl. xvi. f. 1. Spiniferus, Var. Con. Illus. f. 47, Peru.

2 Ch. Spinosus, *Brug.* Journ. D'Hist. Nat. vol. 1, p. 25. Sow. Gen. Chiton. f. 1, Con. Illus. f. 151, Australia.

3 Ch. Spiniger, *Nob.* Mag. Nat. Hist.* 1840, Con. Illus. f. 68.

4 Ch. Brevispinosus, *Nob.* Mag. Nat. Hist. 1840, Con. Illus. f. 136. Island Johanna.

5 Ch. Blainvillii, *Brad.* Zool. Proc. 1832, p. 27. Con. Illus. f. 6. Inner Lobos Island.

6 Ch. Rugosus, Gray ———? Con. Illus. f. 49.

7 Ch. Alternatus, *Nob.* Mag. Nat. Hist. Con. Illus. f. 141. Japan.

8 Ch. Pectinatus, *Nob.* Mag. Nat. Hist. Con. Illus. f. 146.

9 Ch. Loo-chooanus, *Sow.* Zool. Journ. vol. iv, p. 368, Loo-choo.

10 Ch. Piceus, *Gmel.* Linn, p. 3204, Wood, Gen. Con. t. 1, f. 3. convexus, granulatus, gemmatus, tu-

* Charlesworth's New Series of Lowdon's Magazine of Natural History for June, 1840.

No.

41 Ch. Glanco-cinctus, Frembl. Zool. Journ. vol. iii, p. 201, Tab. Suppl. xvii, f. 2. Valparaiso.

42 Ch. Albo-lineatus, *Sow.* Zool. Journ. vol. 4, p. 368. Con. Illus. f. 39. Mexico.

43 Ch. Versicolor, *Nob.* Mag. Nat. Hist. Con. Illus. f. 75, var. 122.

44 Ch. Sculptus, *Nob.* Mag. Nat. Hist. Con. Illus. f. 66.

45 Ch. Longicymba, *Bl.* Dict. des Sc. *Oscabrion*, Ch. var. Con. Illus. f. 67. Hunter's River.

46 Ch. Textilis, Gray, Spic. Zool. 1, p. 5, t. 6, f. 20. Ch. Indicus, Con. Illus. f. 55, var. Ch. Solea, Con. Illus. f. 61, Cape of G. H.

47 Ch. Dispar, Sow. Zool. Proc. 1832, p. 28, Con. Illus. f. 25, Panama.

48 Ch. Punctulatissimus, Sow. Zool. Proc. 1832, p. 28. Con. Illus. f. 9, 26. Beechy's Appendix, p. 40, f. 2, 3. Mexillones, Iquiqui. Africa.

49 Ch. Stramineus. Sow. Zool. Proc. 1832, p. 105. Con. Illus. f. 28, var. 838. Chiloe.

50 Ch. Fimbriatus, *Nob.* Mag. Nat. Hist. Con. Illus. f. 137, Peru.

51 Ch. Apiculatus, Say? Con. Illus. f. 140. Massachusetts Bay.

52 Ch. Lævis. See Catalogue of British Chitones.

53 Ch. Cancellatus. Do.

54 Ch. Albus. Do.

55 Ch. Marginatus. Do.

56 Ch. Cinereus. Do.

57 Ch. Latus. Do. Fulminatus, Couthoy, Boston. Amer. Journ.

58 Ch. Limaciformis, Sow. Zool. Proc. 1832, p. 58. Con. Illus. f. 38. Columbia.

No.

59 Ch. Roseus, Sow. Zool. Proc. 1832, p. 58. Con. Illus. f. 14. Columbia.

60 Ch. Lyellii, Sow. Zool. Proc. 1832, p. 26. Con. Illus. f. 7. Pitcairn's Island.

61 Ch. Catenulatus, Sow. Zool. Proc. 1832, p. 104. Con. Illus. f. 145. Inner Lobos Island.

62 Ch. Rugulatus, Sow. Zool. Proc. 1832, p. 58, var. in conspicuus, Nob. Con. Illus. f. 42, 143, 144. Inner Lobos Island.

63 Ch. Grayi, *Sow.* Zool. Proc. 1832, p. 57. Con. Illus. f. 8, 16. Peru.

64 Ch. Crenulatus, Brod. Zool. Proc. 1832, p. 27. Con. Illus. f. 43.

65 Ch. Platymerus, Sow. Zool. Beech, Appendix, p. 149, pl. 41, f. 11.

66 Ch. Bipunctatus, Sow. Zool. Proc. 1832, p. 104. Con. Illus. f. 27, 155.

67 Ch. Pusillus, *Sow.* Zool. Proc. 1832, p. 57. Con. Illus. f. 31. Peru.

68 Ch. Exiguus, *Sow.* Zool. Proc. 1832, p. 104. Con. Illus. f. 36. Lord Hood's Island.

69 Ch. Fulvus, Wood, Gen. Con. p. 7, t. 1, f. 2. Con. Illus. f. 83, *var.?* (velatus,) Con. Illus. f. 53. Cadiz.

70 Ch. Swainsoni. Sow. Zool. Proc. 1832, p. 27. Con. Illus. f. 5. Peru.

71 Ch. Lineatus, Wood, Gen. Con. p. 15, pl. 2, f. 45. Con. Illus. f. 77.

72 Ch. Atratus, *Nob.* Mag. Nat. Hist. Con. Illus. f. 57, 58. Falkland Island.

73 Ch. Castaneus, *Wood*, Gen. Con. p. 13, pl. 2, f. 2, 3; pl. 3, f. 2, 3. Con. Illus. f. 114, 115, 116. C. of Good Hope.

No.

Astr. t. 3, p. 387, pl. 74, f, 33—34. C. of Good Hope.

98 Ch. Hennahi, *Gray*, Sp. Zool. p. 5, Con. Illus. f. 1, 33. Callao Bay.

99 Ch. Spinulosus, *Gray*, Sp. Zool. p. 5, t. 6, f. 7, 7, a. Con. Illus. 70, 71, Rio Janiero. Ch. Columbiensis. Sow. Zool. Proc. Con. Illus. f. 15, Ch. Luridus. Sow. Zool. Proc. Con. Illus. f. 20? St. Helena.

100 Ch. Scabriculus, *Sow.* Zool. Proc. 1832, p. 28. Con. Illus. f. 21. Guacomayo.

101 Ch. Ciliatus, *Nob.* Mag. Nat. Hist. Con. Illus. f. 79.

102 Ch. Petholatus, *Nob.* Mag. Nat. Hist. Con. Illus. f. 64, 65. var. Porphyrius, f. 59. Australia.

N.B.—The remaining Plates, with the Index to the Chitones, will be published for June.

CORRECTED LIST OF FIGURES

In Parts 38 to 45, and I59 to I76.

The numbers after the names indicate the situation of the species in the Catalogue

Figs.			
3I-	I.	Hennahi var	93.
32-	2.	Barnesii	26.
I-	3.	Striatus var	34.
22a	4.	Setiger var	95.
35-	5.	Swainsoni	70.
	6.	Blainvilleii	5.
44-	7.	Lyelli	60.
	8.	Grayi	63.
	9.	Punctulatissimus	48.
	I0.	Elegans-var	75.
I7c	II.	FFastigiatus	76.
	I2.	Sulcatus	2I.
	I3.	Elegans	75.
	I3.	Elegans var	75.
	I4.	Roseus	59.
	I5.	Columbiensis	99.
	I6.	Grayi var	63.
22-	I7.	Setiger	95.
	I8.	Articulatus	29.
	I8.	Laevigatus	30.
	I9.	Setosus	96.
	20.	Luridus	99.
32a	2I.	Scabriculus	I00.
42-	22.	Retusus	93.
	23.	Hirudiniformis	9I.

	Fig.		
I6-	24.	Stokesii	20.
	25.	Dispar	47.
	26.	Punctulatissimus	48.
	27.	Bipinctatus	66.
	28.	Stramineus	49.
	29.	Elegans var	75.
	30.		75.
	3I.	Pusillus	67.
	32.	Cumingii	40.
	33.	Hennahi var	98.
	34.	Goodallii var	3I.
	35.	Fastigiatus	76.
	36.	Exiguuis	68.
	37.	Rowenii	32.
	38.	Limaciformis	58.
	39.	Albolineatus	42.
2-	40.	Goodallii	3I.
	4I.	Striatus var	34.
	42.	Rugulatus	62.
29a-	43.	Crenulatus	64.
	44.	Peruvianus var	94.
	45.	Cymbiola	28.
8-	46.	Australis	I9.
II-	47.	Echinatus var Sp.	I.
40-	48.	Danielli	9I.
	49.	Rugosus	6.
	50.	Elegans var	75.
	5I.	Cumingii var	40.
	52.	Magnificus	II.
26-	53.	Fulvus var ?	69.
	54.	Janierensis	78.
4I-	55.	Textilis ?	46.
	56.	Janierensis	78.
	57.	Atratus	72.

	Fig.		
	58.	Atratus	72.
	59.	Petholatus var	I02.
	60.	Foveolatus	I6.
	6I.	Textilis	46.
	62.	Chitonellus-Striatus	85.
	63.	Chitonellus Strigatus	87.
	64.	Petholatus	I02.
	65.	Petholatus	I02.
	66.	Sculptus	44.
39-	67.	Longicymba var	45.
IO-	68.	Spiniger	3.
52-	69.	Elenensis	79.
	70.	Spinulosis	99.
	7I.	Spinulosis	99.
	72.	Cajetanus	80.
	73.	Elegans--Young	75.
	74.	Elegans--Young	75.
	75.	Versicolor	43.
25-	76.	Squamosus var	I3.
30-	77.	Lineatus	7I.
	78.	Rugulatus ?	62.
	79.	Ciliatus	IOI.
	80.	Amiculatus	84.
	8I.	Watsoni	97.
	82.	--------var	97.
	83.	Fulvus	69.
	84.	Spinulosus	99.
	85.	Cymbiola var	28.
	86.	Cymbiola var	28.
	87 to II3	British species	7.
	II4.	Castaneous	73.
	II5.	Castaneous var	73.
	II6.	Castaneous var	73.
5I-	II7.	Concinnus	37.
	II8.	Concinnus	37.

DESCRIPTIVE CATALOGUE

OF

BRITISH CHITONES,

By G. B. SOWERBY, Jun.

While engaged in preparing a Catalogue of the genus Chiton for publication, with these illustrations, my attention has been directed to the confusion, prevailing among authors and collectors, respecting the British species. It having consequently occurred to me that effectual service would be rendered to science by determining the nomenclature and synonymes of this section, I have procured specimens from the principal cabinets, through the kindness of their possessors, and compared them carefully with the published figures and descriptions. The following result is presented in a separate form, for the convenience of those collectors whose attention is confined to species found on our own coasts.

Sp. 1. Ch. FASCICULARIS.

Descr. Shell elongated, depressed; valves subtriangular, coarsely granulated at the sides; with

a dorsal striated band; margin rough, hairy, with bunches of bristles on both sides; inserted laminæ of the valves narrow; colour brown, slightly varied, with one black, and two white, dorsal bands.

C. fascicularis, Linn. Syst. Nat. p. 1106.

Chemn. Conch. 10. t. 173. f. 1688.

Sow. Jun. Conch. Illustr. f. 87. 87 a.

Obs. This species is much more depressed than the following; the valves are closer at the sides, and the granulations coarser. As Linnæus appears not to have recognized two fasciculated species, it cannot be known which he intended to describe; but there can be no doubt of the present species being identical with that figured in Chemnitz.

Sp. 2. C. CRINITUS.

Descr. Shell oblong; strongly keeled by a dorsal striated rib; valves beaked, reniform, finely granulated at the sides, disunited at the extremities; margin smooth, hairy, fasciculated; inserted laminæ broad; colour various.

Ch. crinitus, Pennant, Brit. Zool.

Ch. discrepans, Brown.

Ch. fascicularis, Sow. Gen. of Sh. Wood's Gen. Conch. pl. 2. f. 6.

Ch. crinitus, Sow. Jun. Conch. Illustr. f. 88, 93.

Obs. This being the most common of the two fasciculated species, has been most frequently figured under the original name; which, however, it seems to me

most correct to retain for the shell of Chemnitz, his figure being the oldest, and universally quoted. The general appearance and the strong central band of striæ in Pennant's figure, leave no doubt on my mind that he intended to represent the shell to which we have fixed the name proposed by him.

Sp. 3. C. MARGINATUS.

Descr. Shell oval, carinated. elevated, posteriorly widened, minutely granulated; margin also minutely granulated; colour various.

Ch. marginatus, Pennant, Brit. Zool. Wood. Gen. Conch. f. 4.

Ch. cinereus, Zool. Jour. v. 5. p. 99. Wood Gen. Conch. f. 5. Chemn. Conch. 96. f. 818?

Red var. C. ruber? Chemn. Conch. t. 96. f. 813.

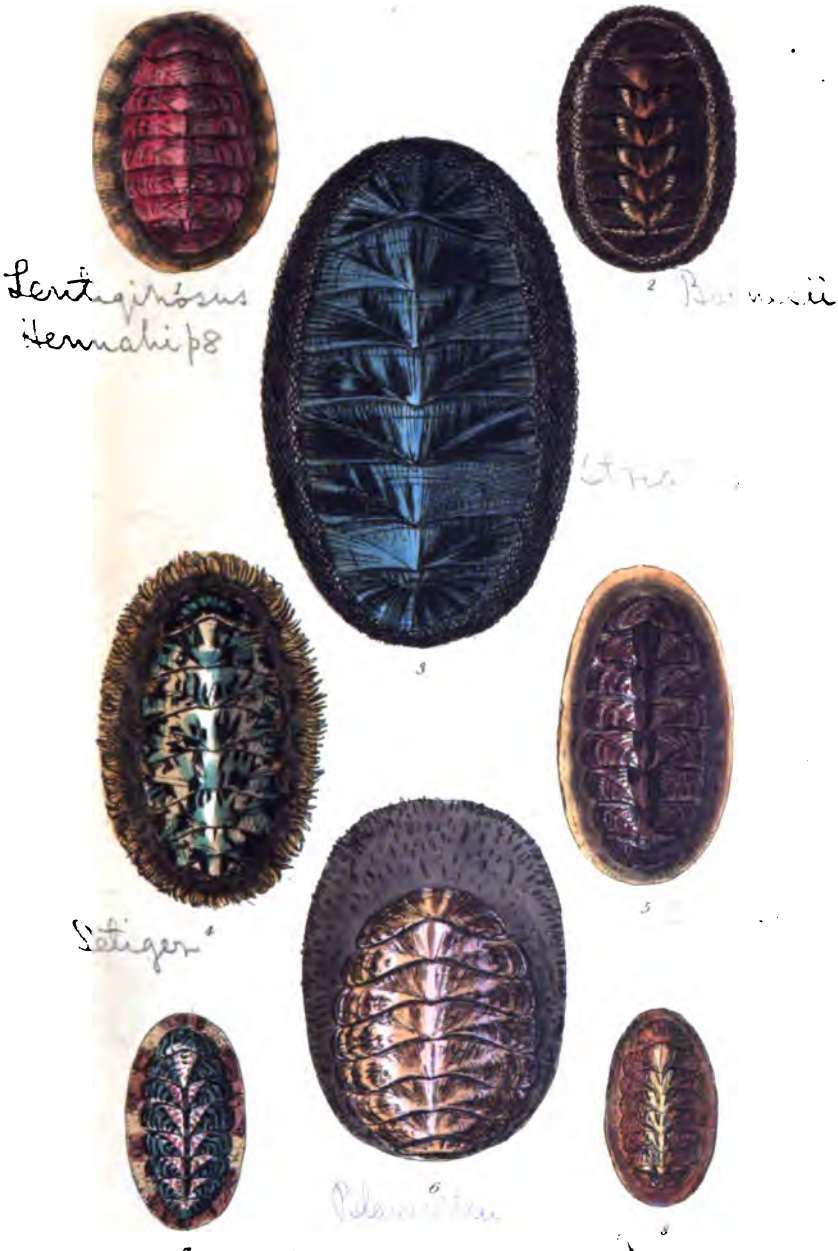
Black var. C. Asellus, Chemn. Conch. t. 96. f. 816.

Banded var. C. minimus, Chemn. Conch. t. 96. f. 814

C. marginatus and varieties, Sow. Jun. Conch. Illustr. f. 106 to 112.

Obs. This common species, including many varieties in colour, is more clearly referrible to C. Marginatus, of Pennant, than to C. cinereus, of authors; and without presuming to decide whether the description of Linnæus and the figure of Chemnitz were taken from ash coloured varieties of this or of the following species, I prefer applying the respective names as used by collectors at present. C. marginatus is more angular than the next species, and the granulations on the dorsal areas are not arranged in longitudinal lines.

Chiton.



G.B.S. jun. ecc.

Chiton.

G.B.S. jun. exc.

Chiton.

15
Spinulosus

16
Graeci

17
Setiger

18
Laevigatus

19
[illegible]

18
[illegible]

20
Spinulosus
var. Luridus

21
[illegible]

G.B.S. jun. ex

22
Petusus

24
Stokesii

23
Virgulariformis

25
Vespar

27
Bipunctatus

26
[illegible]

29
Elegans
bar

28
Stromeus

30
[illegible]

G.B.S. jun. exc.

Chiton.

Pusillus
31
32
Cumingii
33
Hennahi
Godallii
34
35
Fastigiatus
36
Iniquus
37

G.B.S.

Chiton.

Limaciformis

38

39

Albo-lineatus

40

41

Striatus

42

Pugilatus

43

[illegible]

G.B.S.jun.ecc.

Chiton.

44*

45

Cymbiola
= Tulipa

46

44

47

Echinatus
1

48

44**

G.B.S. jun. exc.

Chiton.

Rugosus

49

50

Godallii
Elegans var.
Sup 6

51

Cumingii

52

Magnificus

53

Fulvus

54

Jomerensis

55

G.B.S. jun. exc.

Chiton

56

63

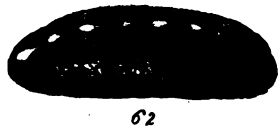
57

59

58

61

60



62

Chiton

64

Petiolatus

67

Longicymba

67

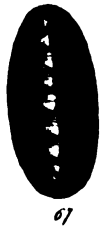
Longicymba

67

Long. cymba

65

Petiolatus



67

67

Longicymba

68

Chiton

Elegans var. Spartus

Concinnus

Spiniger

Concinnus

Spinosus

Chiton

14

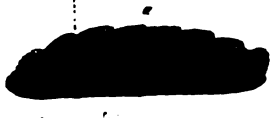
Ciliatus

15

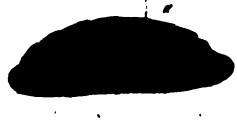
11

12

13

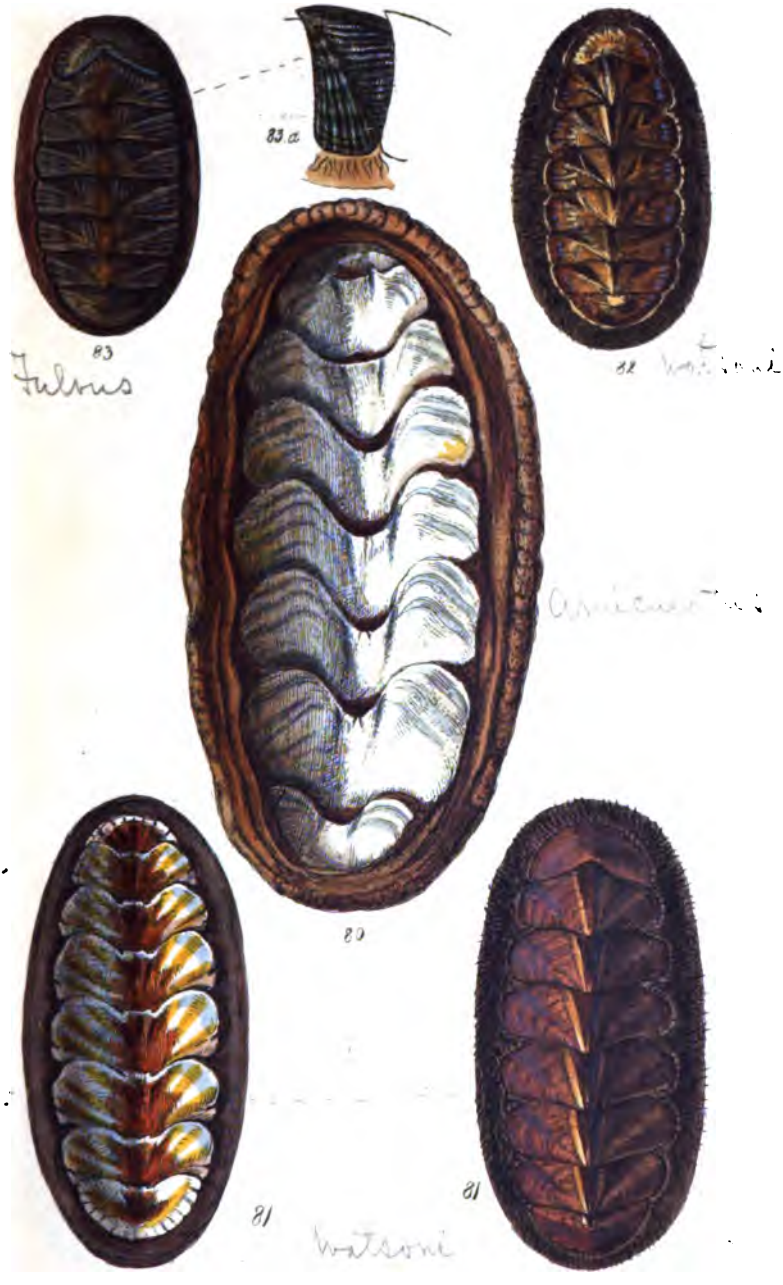


Cajetanus



16

Chiton



Chiton

86

Cymbiola
= Tulipa

84. a

84

80

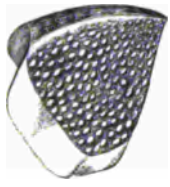
85

Cymbiola
= Tulipa

85

Cymbiola
= Tulipa

Chiton



87.a

Fascicularis

90

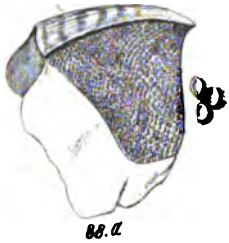
89

88

Crinatus

93

Crinatus

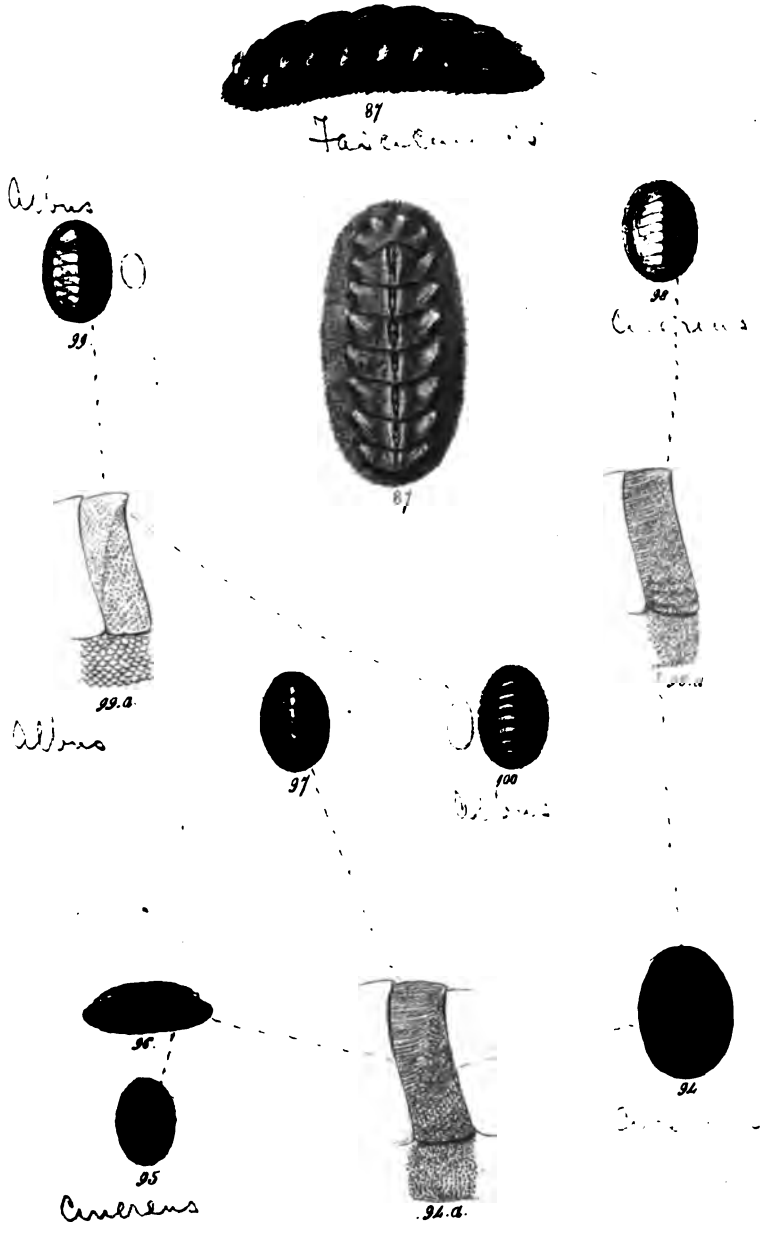


88.a

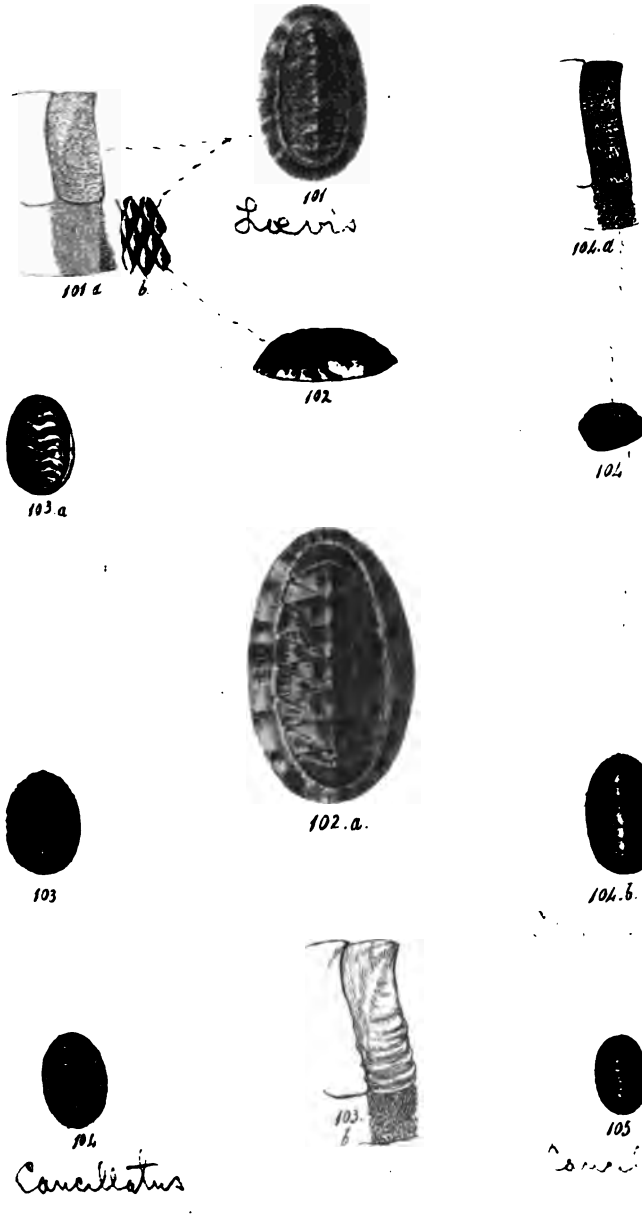
92

91

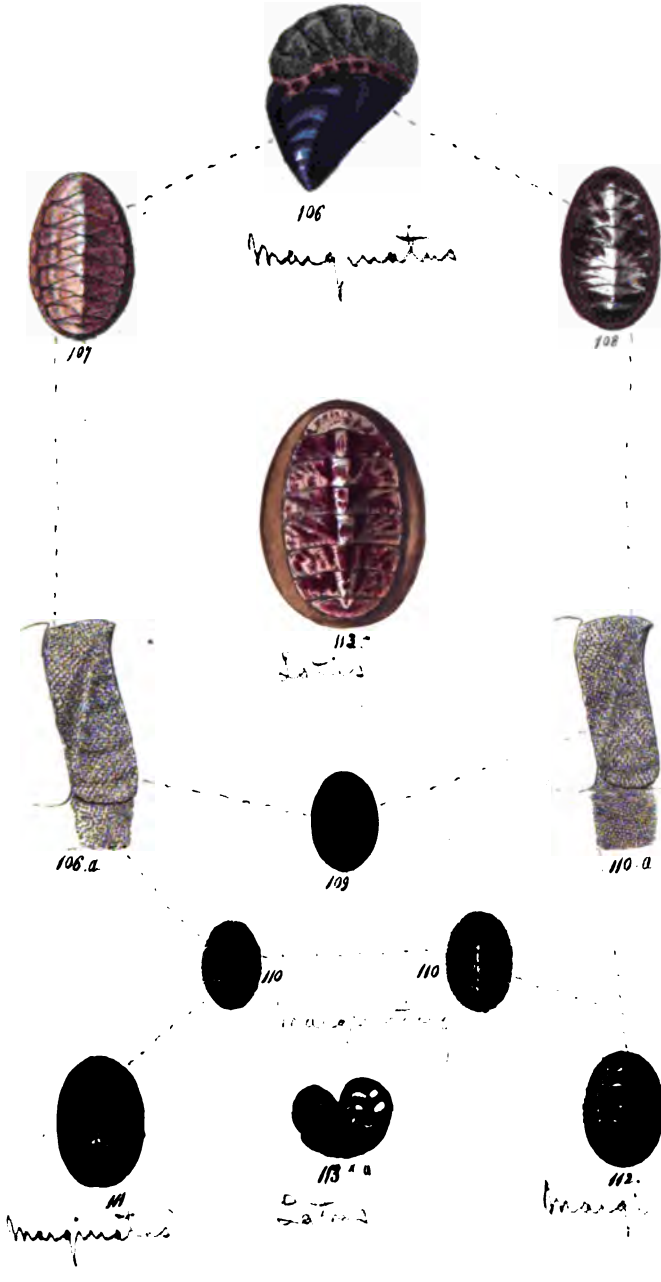
Chiton



Chiton


101
Laevis
101 a
b
102
103.a
104.a
104
102.a.
103
104.b.
104
Cancellatus
103.
b
105

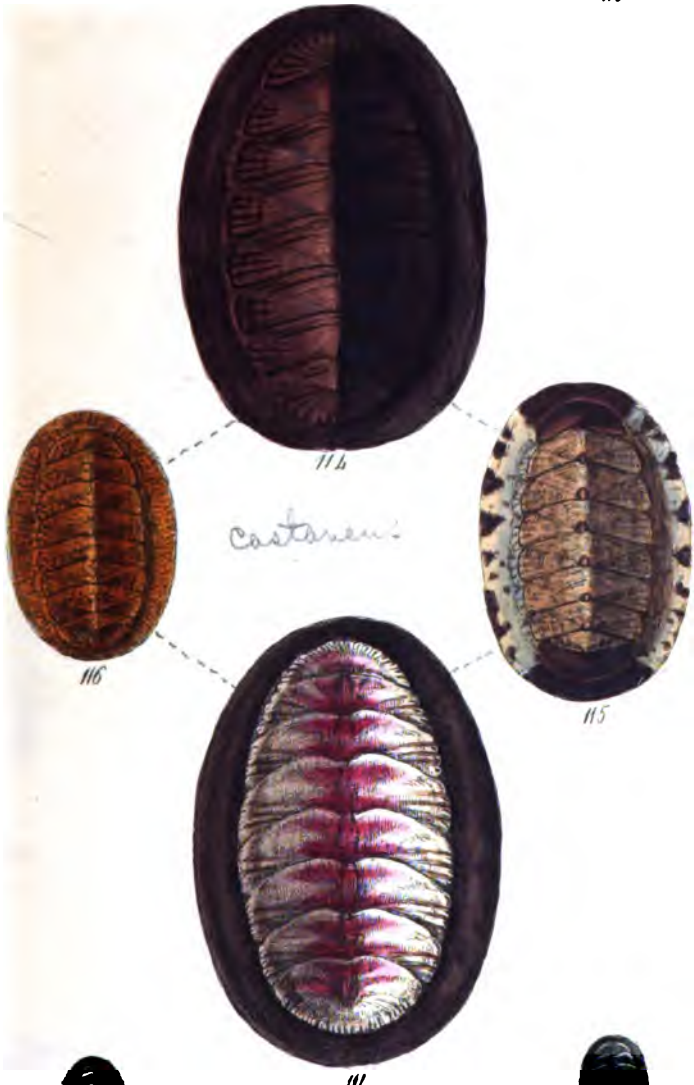
Chiton



Chiton.

117 a.

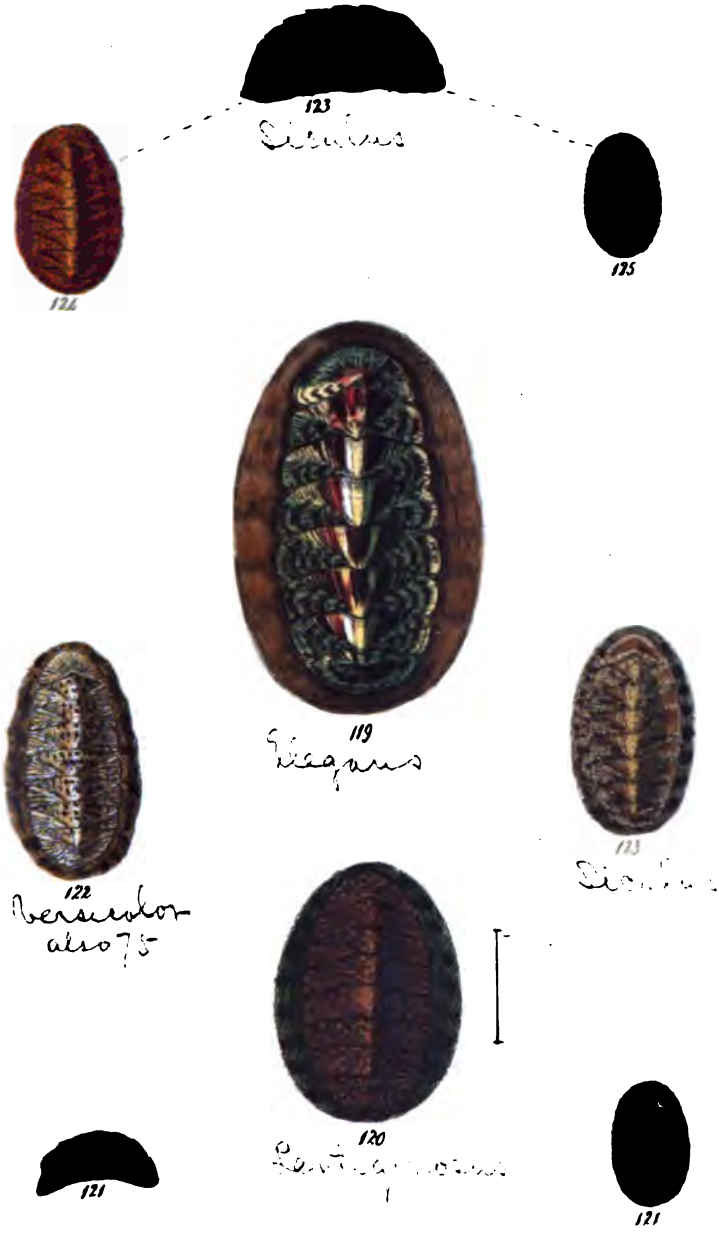
118



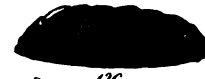
117

117

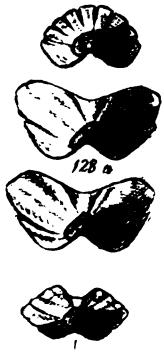
Chiton



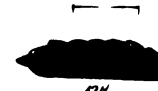
Chiton



126
Lyratus



128 a



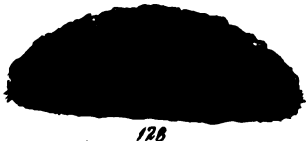
127
Hastatus

126

130.
[illegible]

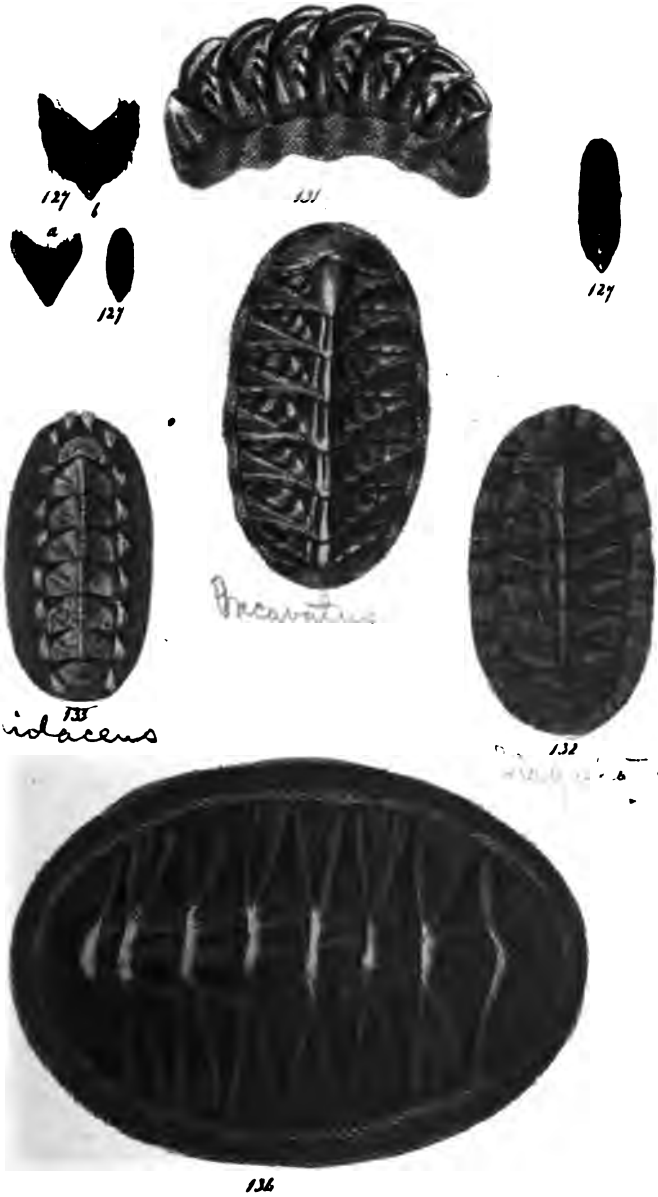
128
Vestitus

129



128
Vestitus

Chiton

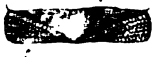


Chiton

135

Tenuistriatus

137



Imbriatus

136

Brevistriatus

135

139

Quanidus

138

139

[illegible]

Chiton

110

110

113

112

111

115

116

121

A CATALOGUE

OF THE

RECENT SPECIES OF FISSURELLA,

BY G. B. SOWERBY.

---

1 Fissurella picta, *Lam.*, Conch. Illust. f. 4, *var.* f. 26. Terra del Fuego.

2 ——— nimbosa, *Lam.*, Conch. Illust. f. 2. West Indies.

3 —— crassa, *Lam.* Conch. Illust. f. 9, 11, *F. Clypeiformis* mihi, Tank. Cat. app. p. vi. Lamarck's F. depressa is only a worn fragment of this species, as Mr. Gray informs me. Valparaiso.

4 —— græca, *Lam.* Conch. Illust. f. 3. Nevis and the West Indian Islands generally.

5 —— nodosa, *Lam.* Conch. Illust. f. 1. Trinidad, Antigua St. Vincents, &c.

6 ——Cayenensis, *Lam.* Conch. Illust. f. 7. Monte Christi, West Columbia, Mr. Cuming. Obs. In G. Humphrey's collection were many specimens of this, but without locality.

7 —— lilacina, *Lam.* Obs. This is entirely unknown to me.

8 —— rosea, *Lam.* Conch. Illust. f. 8, West Indies.

9 Barbadensis, *Lam.* Conch. Illust. f. 5. var. f. 6, var. alter. f. 76, Barbadoes and other Islands of the West Indies.

Obs. The var. represented f. 76 has been considered as a distinct species, and named virescens by Mr. Guilding.

10 Fissurella radiata, *Lam.* Conch. Illust. f. 62, var. f. 64, West Indies

Obs. This is perhaps only a variety of F. Barbadensis, it differs however from that species in the form of the dorsal aperture.

11 —— viridula, *Lam.* Conch. Illust. f. 13, Trinidad, Antigua, &c.

12 —— hiantula, *Lam.* Conch. Illust. f. 10, Southern Africa.

Obs. For a representation of this species *Lamarck* refers to Born. Vign. f. F. which is the same as I named *F. aperta* in the Tankerville Catalogue. The following are therefore synonyms of this species, viz: *Fissurella aperta*, Tank. Cat. app. p. vi. *Pupillæa aperta*, Gray in Supp. to Beechey's Narrative

13 —— Pustula, *Lam.* Conch. Illust. f. 20, Sowerby Genera, No. xxi. f. 3, Trinidad, Antigua, &c.

14 —— fascicularis, *Lam.* Conch. Illust. f. 14, Sowerby Genera, f. 6, West Indies.

15 —— Javanicensis, *Lam.* Conch. Illust. f. 12, Cape of Good Hope.

16 —— Peruviana, *Lam.* This is entirely unknown to me.

17 —— gibberula, *Lam.* Conch. Illust. f. 17. Panama, Mr. Cuming.

18 —— minuta, *Lam.* Conch. Illust. f. 16, Mediterranean.

19 —— crenulata, *mihi*, Tank. Cat. app. p. vi. Conch. Illust. f. 31, 38.

Obs. I have only seen four specimens of this species, they are in the collections of Dr. Goodall, the Manchester Museum, Mr. Cuming, and Mr. Lincoln; it is from the specimen of the last named gentleman, as being the best

of the four, that our figures were drawn. I am informed by that gentleman that it was found at Monterey, in Upper California.

20 Fissurella calyculata, *mihi*, Genera of Shells, No. xxi. f. 4. Conch. Illust. f. 19, 21.

21 —— maxima, *mihi*, Zool. Proc.* p. 123. Conch. Illust. f. 18. Valparaiso. Mr. Cuming.

22 —— grandis, *mihi*, Zool. Proc. p. 123. Conch. Illust. f. 48, Valparaiso and Chiloe, Mr. Cuming.

23 —— limbata, *mihi*, Zool. Proc. p. 123. Conch. Illust. f. 66, 74. var. f. 42, Syn. *F. picta*, *mihi*, Genera f. 1, Valparaiso, Mr. Cuming.

24 —— bicolorata *Frembl.* M. S. Zool. Proc. p. 124. Conch. Illust. f. 23. Valparaiso, Mr. Cuming. var. Conch. Illust. f. 52, Iquiqui, Mr. Cuming.

25 —— lata *mihi*, Zool. Proc. p. 124. Conch. Illust. f. 63, $\frac{1}{4}$ St. Mary's Island, Chili, Mr. Cuming.

26 —— pulchra, *mihi*, Zool. Proc. p. 124. Conch. Illust. f. 24, Valparaiso, Mr. Cuming.

27 —— oriens, *mihi*, Zool. Proc. p. 124. Conch. Illust. f. 25, var. f. 60, Island of Chiloe, Mr. Cuming.

28 —— Chilensis, *mihi*, Zool. Proc. p. 124. Conch. Illust. f. 36, Valparaiso, Mr. Cuming.

29 —— obscura, *mihi*, Zool. Proc. p. 125. Conch. Illust. f. 27, Gallapagos Islands, Mr. Cuming.

30 —— coarctata, *King*, Zoological Journal, vol, 5. p. 339. Conch. Illust. f. 22, Sowerby Genera of Shells, No. xxi. f. 2 *(Fissurella crassa)*. Port Praya.

* Proceedings of the Zoological Society of London, 1834.

† Miscalled F. Chilensis in the list published with the 76th and 77th parts. It is perhaps as well here to observe that those said lists are all to be cancelled eventually.

31 Fissurella virescens, *mihi*, Zool. Proc. p. 125. Conch. Illust. f. 37, * Panama, Mr. Cuming.

32 —— nigro-punctata, *mihi*, Zool. Proc. p. 125. Conch. Illust. f. 51, Gallapagos and Lobos Island, Mr. Cuming.

33 —— macrotrema, *mihi*, Zool. Proc. p. 125. Conch. Ilust. f. 41, Gallapagos and Real Llejos, Mr. Cuming. var. Conch. Illust. f. 41, * Lobos Island, Mr. Cuming. var. Conch. Illust. f. 41, ** Lambeyeque, Peru, Mr. Cuming.

34 —— hians, *Broderip and Sowerby*, Zool. Journ. iv. p. 370, †

35 —— affinis, *Gray*, *Supp. to Beechey's Narrative*, Zool. Proc. p. 125. Conch. Illust. f. 44, Coast of Peru, Mr. Cuming. var. Valparaiso, Mr. Cuming.

36 —— inæqualis, *mihi*, Zool. Proc. p. 126. Conch. Illust. f. 45, Guacomayo and the Gallapagos Islands, Mr. Cuming.

37 —— Pica, *mihi*, Zool. Proc. p. 126. Conch. Illust. f. 32, St. Elena, Mr. Cuming. Variety, Conch. Illust. f. 33, Monte Christi, Mr. Cuming.

38 —— cancellata, *mihi*, Tank. Cat. No. 802. Conch. Illust. f. 29. *Patella cancellata*, Sol. M. S.; *Patella ventricosa* Gmel. according to Mr. Gray; *Foraminella Sowerbii*, Guilding M. S.; *Lucapina elegans* Gray, St. Vincents.

39 —— microtrema, *mihi*, Zool. Proc. p. 125. Conch. Illust. f. 50, Real Llejos, Mr. Cuming.

40 —— costata, *Gray*. Shell elliptical, rather depressed, with a few radiating obtuse ribs, externally greenish,

* Miscalled *F. coarctata* King, in the published list.

† The specimen being mislaid, this species cannot be figured.

smooth; within white with an undulated margin: dorsal aperture very small, elliptical; internal margin broad: length 2·0, breadth 1·5 inches. Conch. Illust. f. 28, St. Jago.

41 Fissurella olivacea, *Gray* in Brit. Mus. Conch. Illust. f. 57.

42 —— Scutellum, *Gray* in Brit. Mus. Conch. Illust. f. 34, Cape of Good Hope.

Obs. This is F. Trapezina *mihi*, in Zool. Proc. p. 126.

43 —— Europæa, *mihi*, Conch. Illust. f. 43. Shores of the British Channel, &c.

Obs. This is the Patella græca of British Conchological writers, and the F. cancellata of Gray in Annals of Philos. new series vol. 1. The Patella apertura of Montagu is the young of it.

44 —— Mediterranea, *Gray* in Brit. Mus. Conch. Illust. f. 30, Mediterranean.

45 —— macroschisma *Humphrey*, Conchology. Conch. Illust. f. 39, New South Wales. var. f. 39,* Swan River.

Obs. This forms the Genus Macroschisma of *Gray*.

46 —— Noachina *mihi*, Conch. Illust. f. 15. Leach's British Shells, Tab. x. f. 4, 5 *(Cemoria Flemingii)*.

Obs. This is *Patella Fissurella*, Müll. Zool. Dan. t. 24, f. 4—6. *Patella Noachina*, Chemn, t. 197, f. 1927, 1928, who says it is British; and the Genus *Puncturella* of Lowe, Zool. Journ. iii. p. 77, who found it at Oban in Argyleshire.

47 —— Chemnitzii *mihi*, Conch. Illust. f. 55. Zool. Proc. p. 126.

rather elevated and obtuse at both extremities; cancellately ribbed; a few of the ribs pale purple; dorsal aperture small, much nearer to the anterior than to the posterior end, its margin internally truncated posteriorly: margin crenated.

Obs. The only two specimens I have seen were in G. Humphrey's collection, they are now in Mr. Cuming's.

66 Fissurella rugosa, *mihi*. Conch. Illust. f. 54. Shell of a rather lengthened oval shape, depressed, whitish, varied with dark red brown, and covered with a few large rugose radiating ribs and some smaller interstitial ones; dorsal aperture nearer to the anterior extremity, oblong, its internal margin rather wide, with a dark border; inside green; edge of the whole shell irregularly sinuous: length 1·0, breadth 0·6 inches, Gallapagos Islands, Mr. Cuming.

67 —— Mexicana *mihi*, Conch, Illust. f. 61. Shell oblong, reddish brown, with darker rays, and numerous close-set radiating grooves, which are decussated by very fine concentric striæ; dorsal aperture oblong, rather contracted in the middle, and with two obsolete teeth on each side; inside white, with a purplish brown crenulated margin: length 1·25, breadth 0·56. Real Llejos, Mexico; Mr. Cuming.

68 —— crenifera, *mihi*, Zool. Proc. p. 128. Conch. Illust. f. 73, Real Llejos, Mr Cuming.

LIST OF FIGURES OF FISSURELLÆ

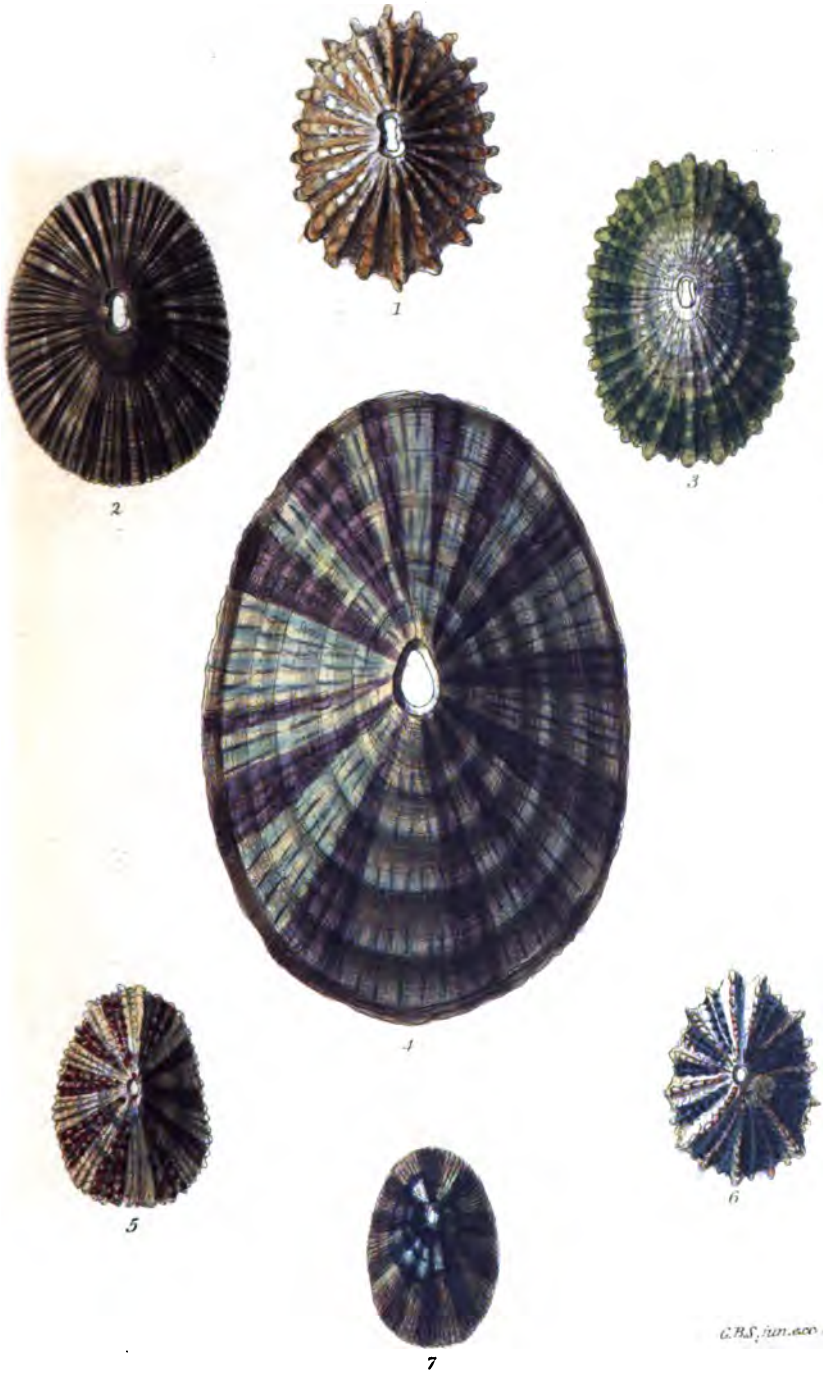
In Parts 68 to 78, and 80 of the

Conchological Illustrations.

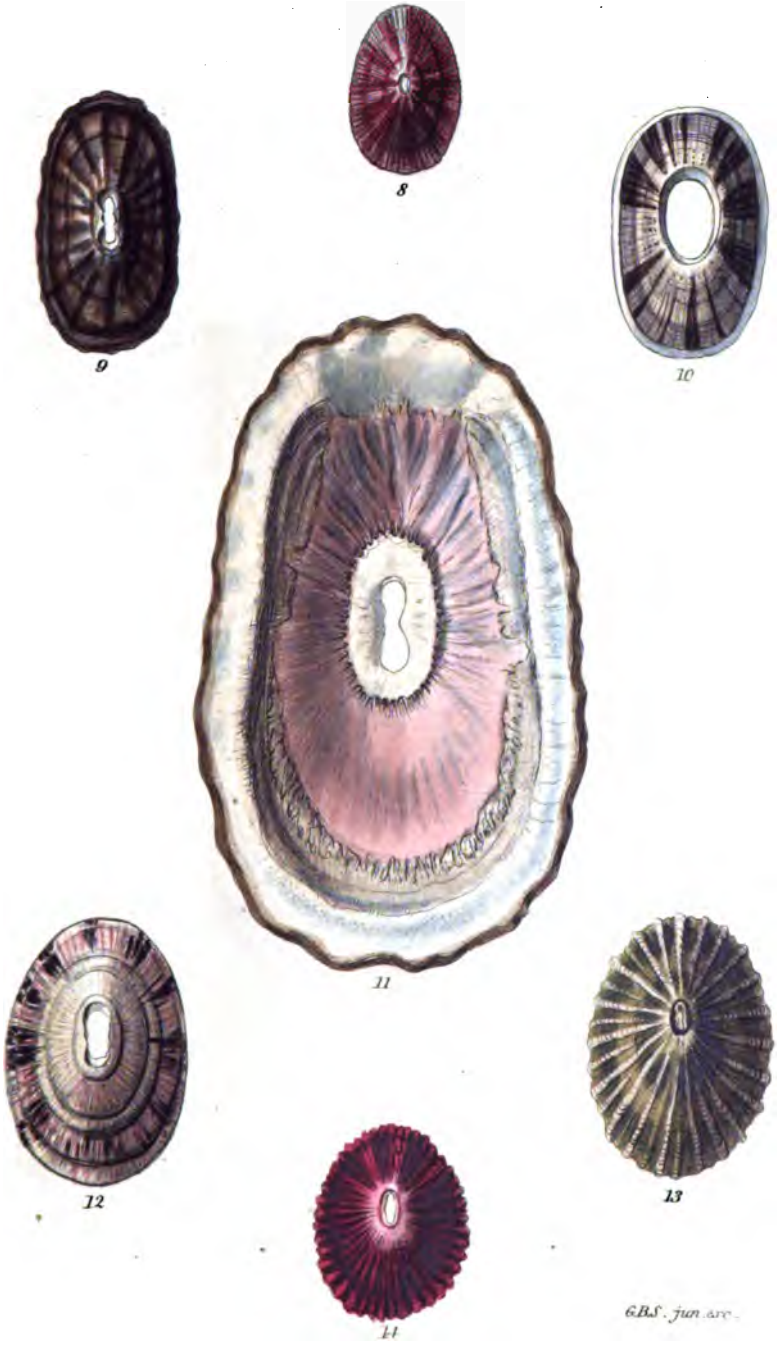
Fig.
1 F. nodosa *Lam.*
2 F. nimbosa *Lam.*
3 F. Græca *Lam.*
4 F. picta *Lam.*
5 F. Barbadenis *Lam.*
6 F. ——— var.
7 F. Cayenensis *Lam.*
8 F. rosea *Lam.*
9 F. crassa *Lam.* young.
10 F. hiantula *Lam*
11 F. crassa *Lam.*
12 F. Javanicensis *Lam.*
13 F. viridula *Lam.*
14 F. fascicularis *Lam.*
15 F. Noachina *nobis.*
16 F. minuta *Lam.*
17 F. gibberula *Lam.*
18 F. maxima *nobis.*
19 F. calyculata *nobis.*
20 F. Pustula *Lam.*
21 F. calyculata *nobis.*
22 F. coarctata *King.*
23 F. biradiata *Frembly.*
24 F. pulchra *nobis.*
25 F. Oriens *nobis.*
26 F. picta *Lam.* var.
27 F. obscura *nobis.*
28 F. costata *Gray.*
29 F. cancellata *nobis.*
30 F. mediterranea *Gray.*
31 F. crenulata *nobis.*
32 F. Pica *nobis.*
33 F. Pica var. nobis.
34 F. Scutellum *Gray.*
35 F. subrostrata *Guilding.*

36 F. Chilensis *nobis*.
37 F. coarctata *King*.
38 F. crenulata *nobis*.
39 F. macroschisma.
39* F. macroschisma var.
40 F. Lincolni *Gray*.
41 F. macrotrema *nobis*.
41** F. macrotrema var.
42 F. limbata var. *nobis*.
43 F. europæa *nobis*.
44 F. affinis *Gray*.
45 F. inæqualis *nobis*.
46 F. asper *nobis*.
47 F. nigrita *nobis*.
48 F. grandis *nobis*.
49 F. fulvescens *nobis*.
50 F. microtrema *nobis*.
51 F. nigropunctata *nobis*.
52 F. biradiata *var*.
53 F. sanguinea *nobis*
54 F. rugosa *nobis*.
55 F. Chemnitzii *nobis*.
56 F. æqualis *nobis*.
57 F. olivacea *Gray*.
58 F candida *nobis*.
59 F. obtusa *nobis*.
60 F. oriens var. *nobis*.
61 F. Mexicana *nobis*.
62 F. radiata *Lam*.
63 F. Chilensis *nobis*.
64 F. radiata *Lam. var*.
65 F. Ruppellii *nobis*.
66 F. limbata *nobis*.
67 F. mutabilis *nobis*.
68 F. lineata *nobis*.
69 F. latimarginata *nobis*.
70 F. mutabilis *var*.
71 F. asperella *nobis*.
72 F. Panamensis *nobis*.
72* F. Panamensis *var*.
73 F. crenifera *nobis*.
74 F. limbata *nobis*.
75 F. Ruppellii *nobis*. Red Sea.
76 F. Barbadensis *var*.
77 F. Clypeus *nobis*.

Fissurella.



Fissurella.



Fissurella.

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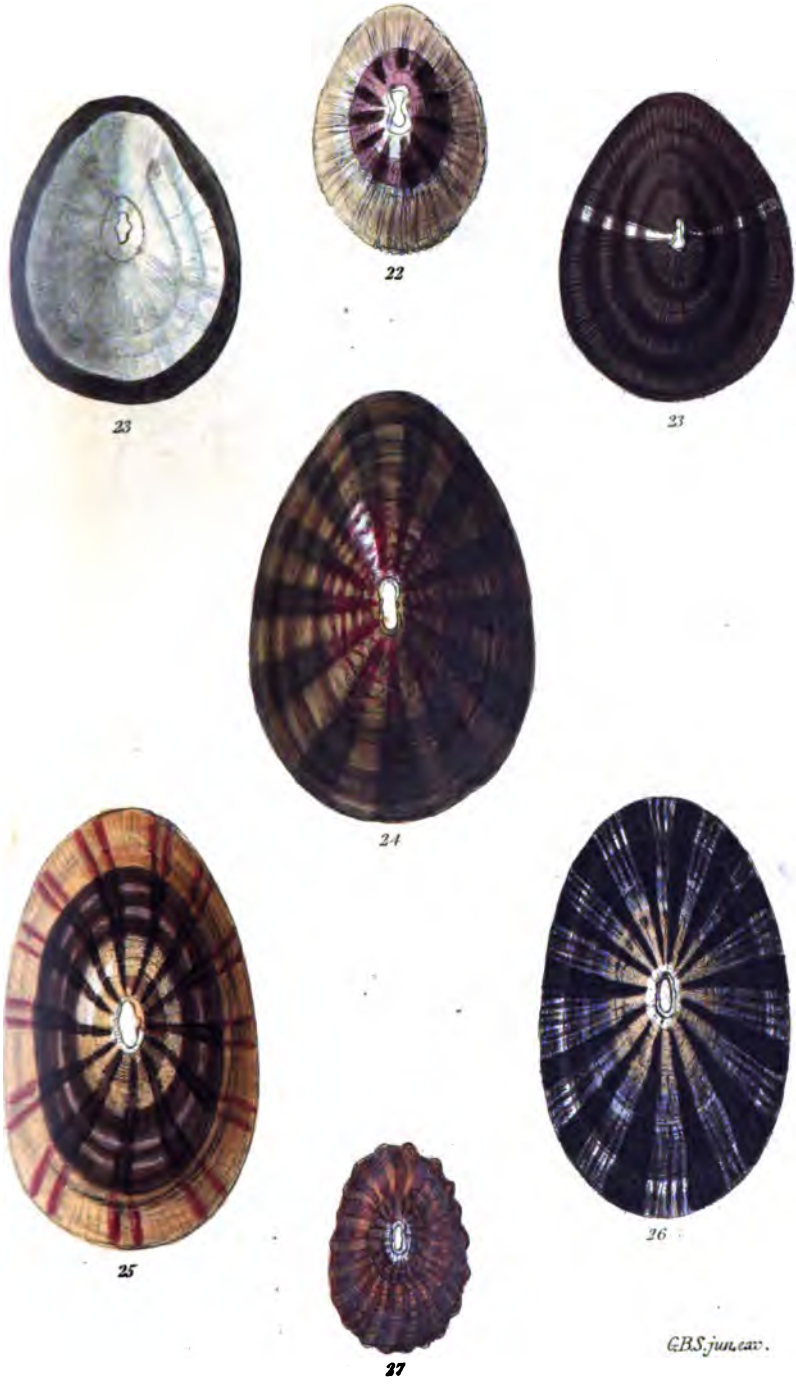
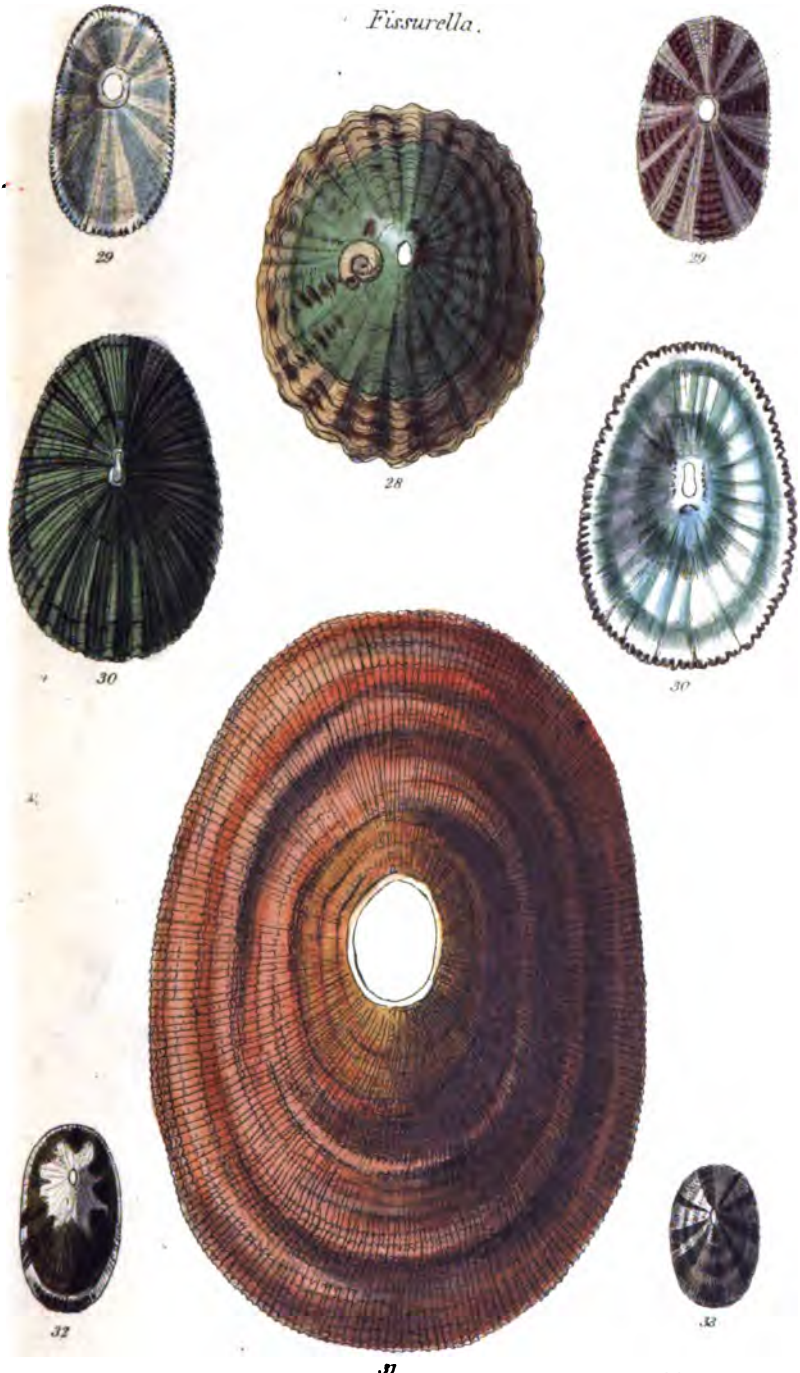
G.B.S. jun. exc.

Fissurella.



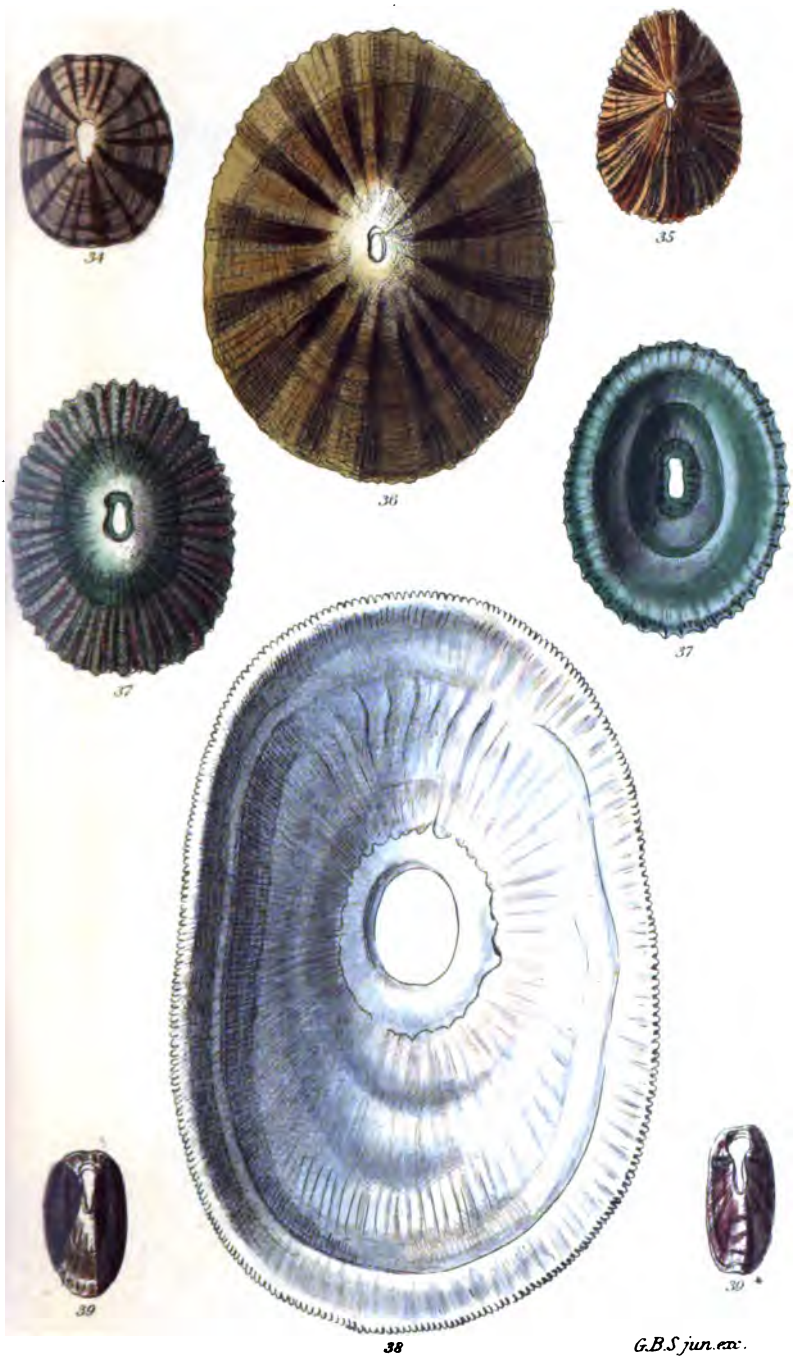
G.B.S. jun. eav.

Fissurella.



G.B.S. jun. exc.

Fissurella.



G.B.S jun. ex.

Fissurella.

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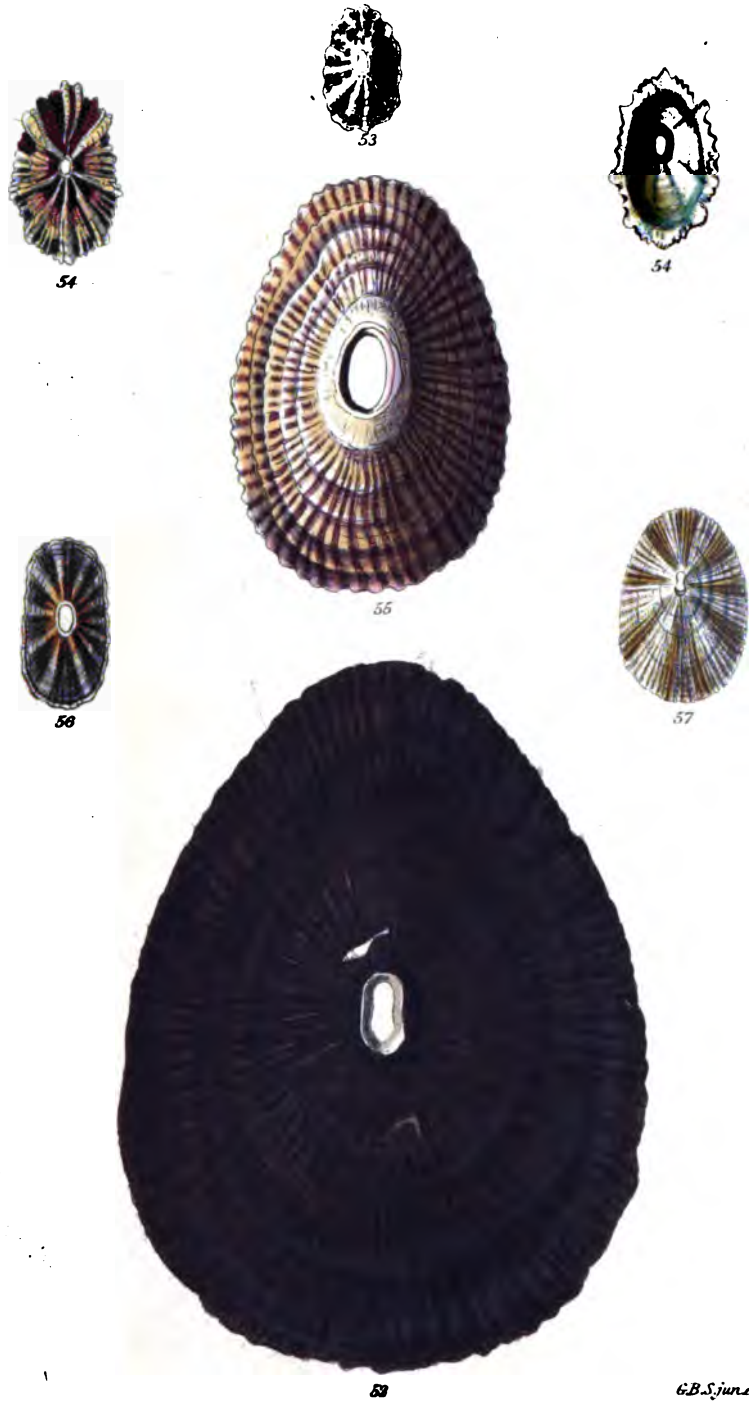
G.B.S. jun. exc.

Fissurella.

G.B.S. jun. exc.



G.B.S. jun. sc.

Fissurella.

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G.B. Sowerby sc.

Fissurella.

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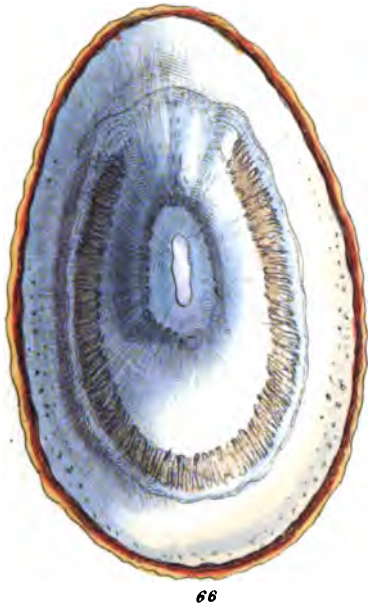

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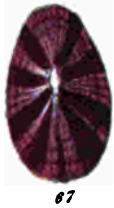

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Fissurella.

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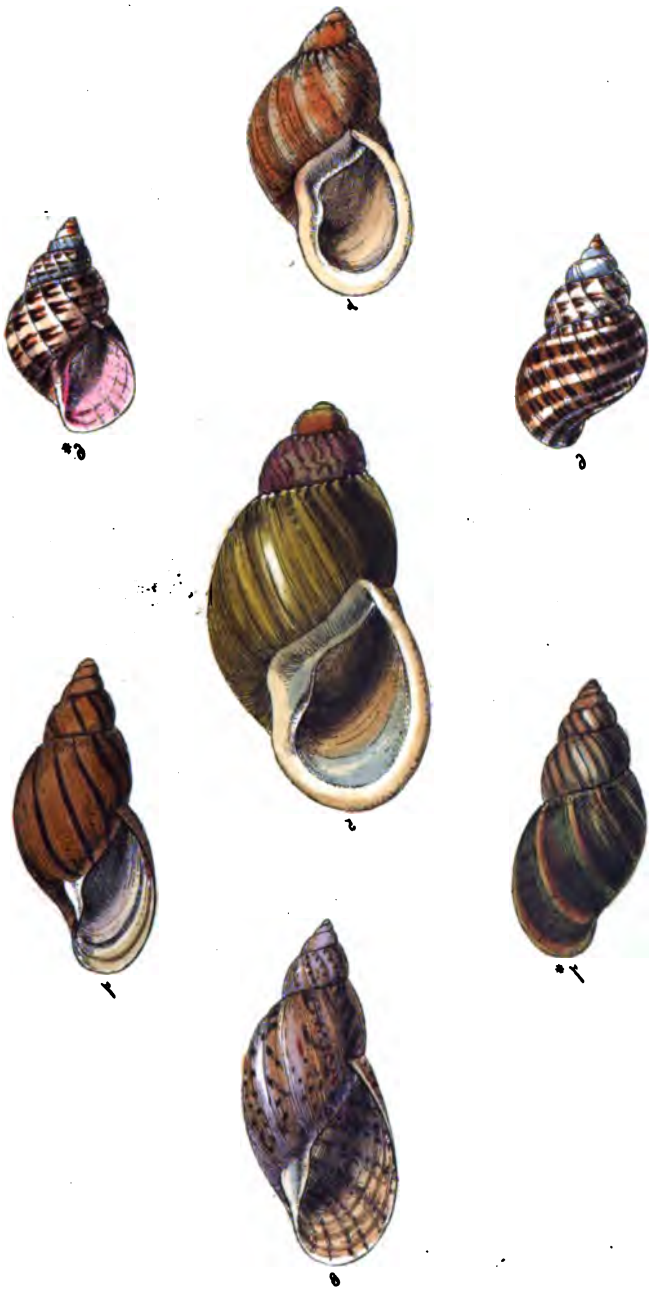
G.B.S. fecit

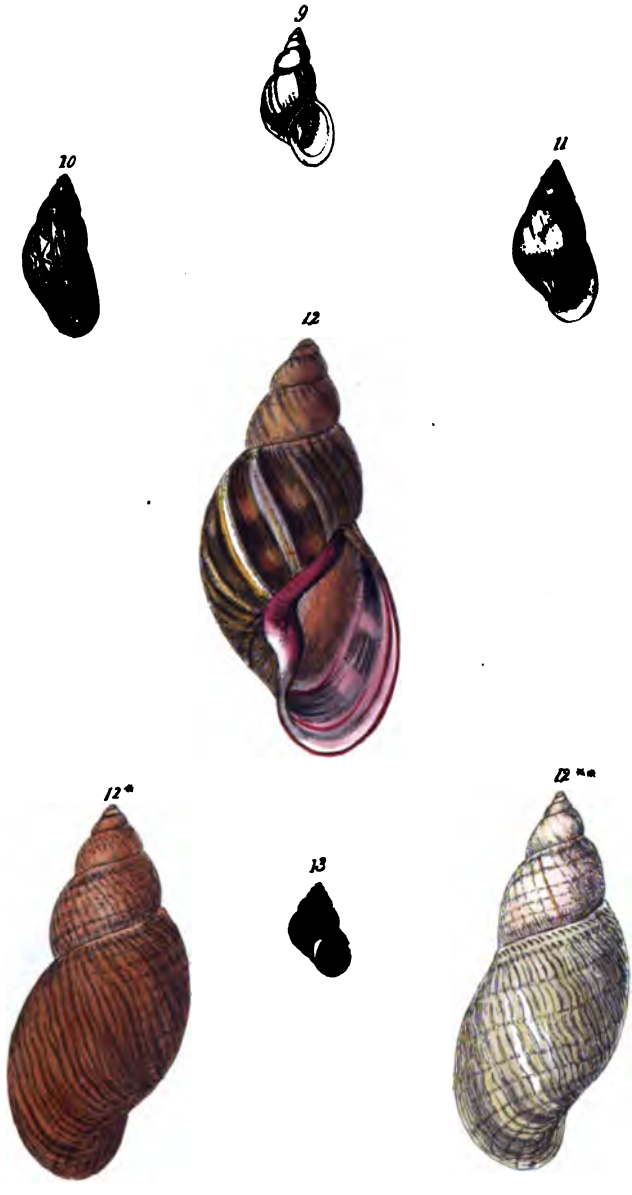
87 B. rugulosus *nob.* Galapagos.
88 B. melanostoma var
89 B. multicolor.
90 B. Myersii, *Miller.*
91 B. pulchellus, *nob.* Huallaga.
92 B. pulchellus var. Huallaga.
93 B. piperitus, *nob.* Huallaga.
94 B. Milleri, *nob.*
95 B. strigatus, *nob.* Huallaga.
96 B. strigatus var. Huallaga.
97 B. Janeirensis, *nob.* Rio de Janeiro.
98 B. perplexus *nob.*
99 B. Brownesii *Gray.*
100 B. maculiferus *nob.*
From Lady Harvey's Collection.
101 B. hæmastoma *var.*
102 B. proximus *nob.*
103 B. hæmastoma, var.
104 B. ovoideus, *Brug.*
105, 106, & 107 B. ovoideus, varieties.
108 B. porraceus, *Jay.*
109, 110, & 111 B. porraceus, varieties.
112 B. virgatus, *Jay.*
113 B. virgatus, var.
114 B. virgatus, var.
115 B. fictilis, *Brod.*
116 E. fictilis, *Brod.* var.
117 B. larvatus, *Brod.*

Bulinus.

Bulinus



Bulinus



Bulinus.

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14a.

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G.B.S. jun. etc.

Bulinus.

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G.B.S.jun. del.

Bulinus.

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G.B.S. jun. exc.

Bulinus.

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G.B.S.jun.c.xc.

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G.B.S.jun.exc.

Bulinus.

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G.B.S. jun. exc.

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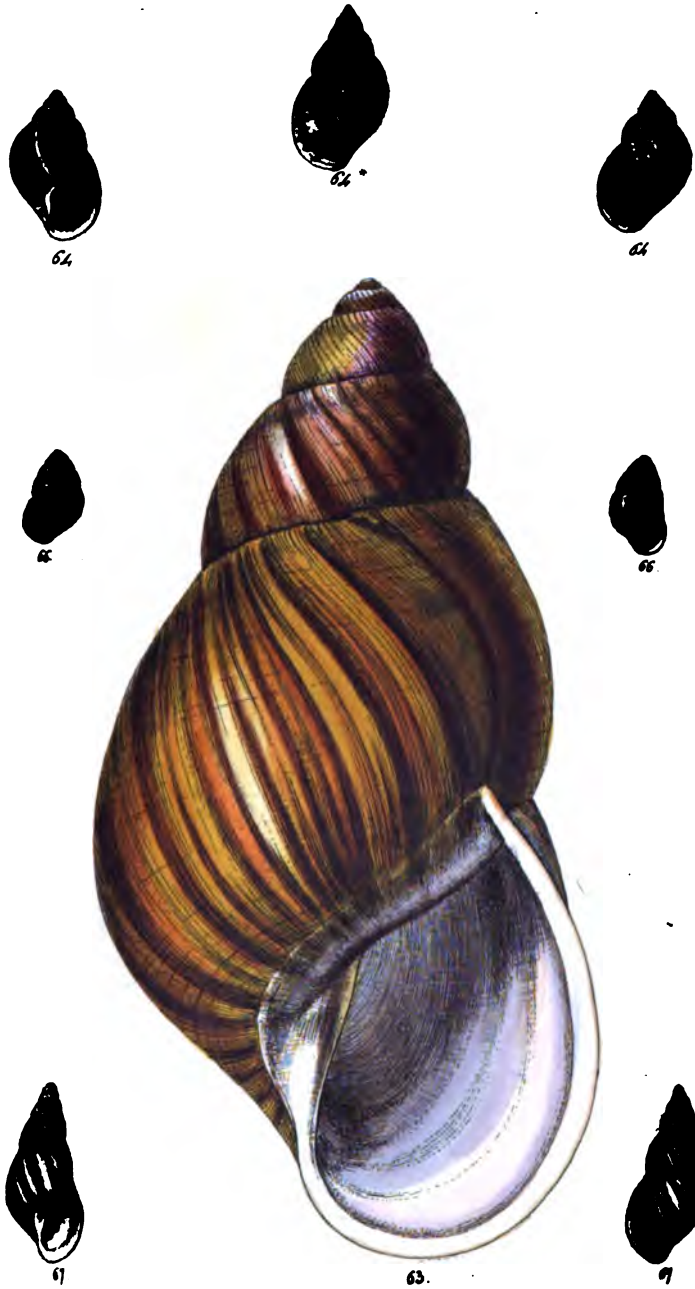
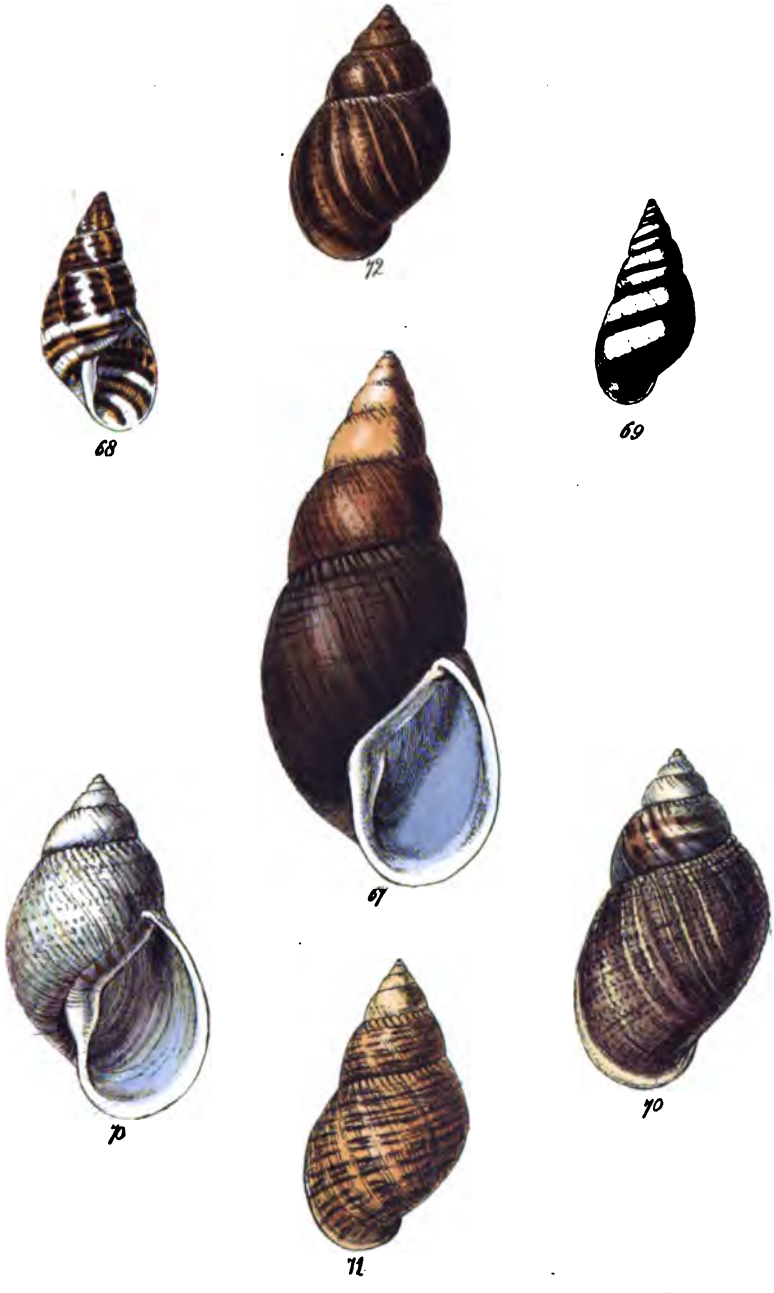
Bulinus

Pl 138.



G.B.S. pinx. sc.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Bulinus

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G.B.S. Jan. exc.

Bulinus

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G.B.S. Junr. exc.

Bulinus.

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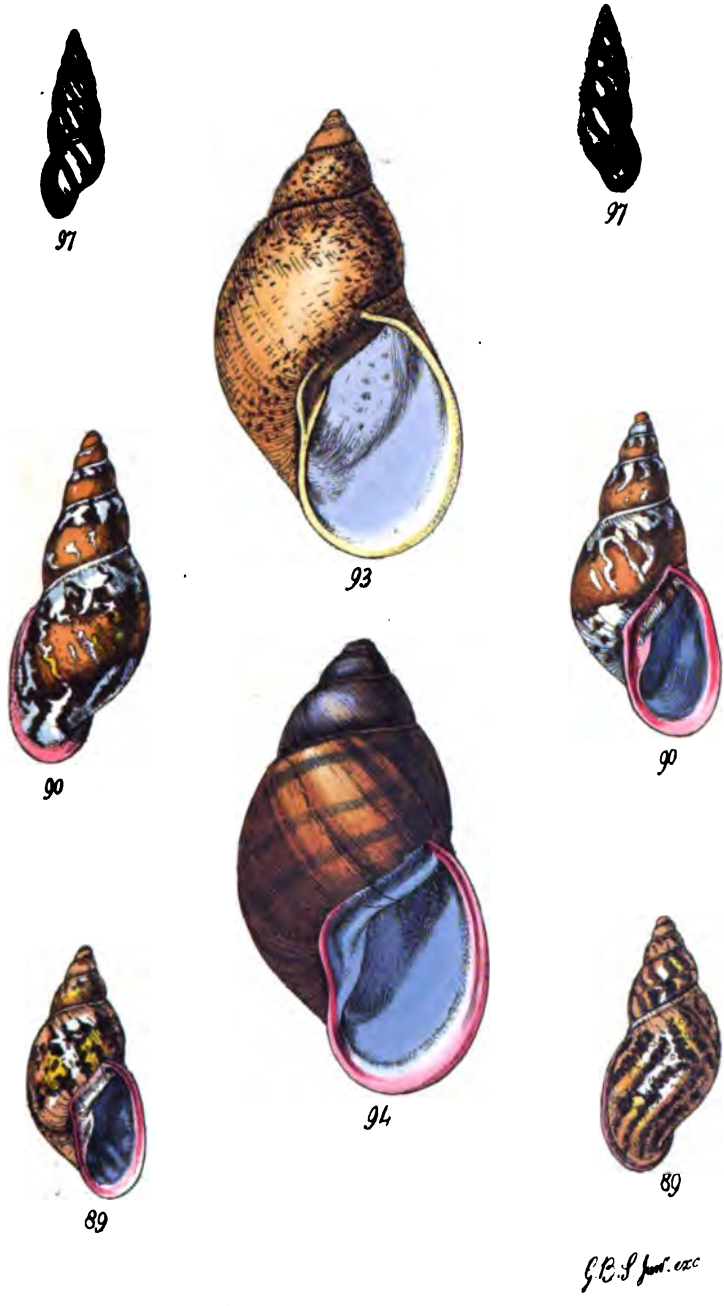
G.B.S. fecit. exc.

Bulinus.



G.B.S. Junr. exc

Bulinus

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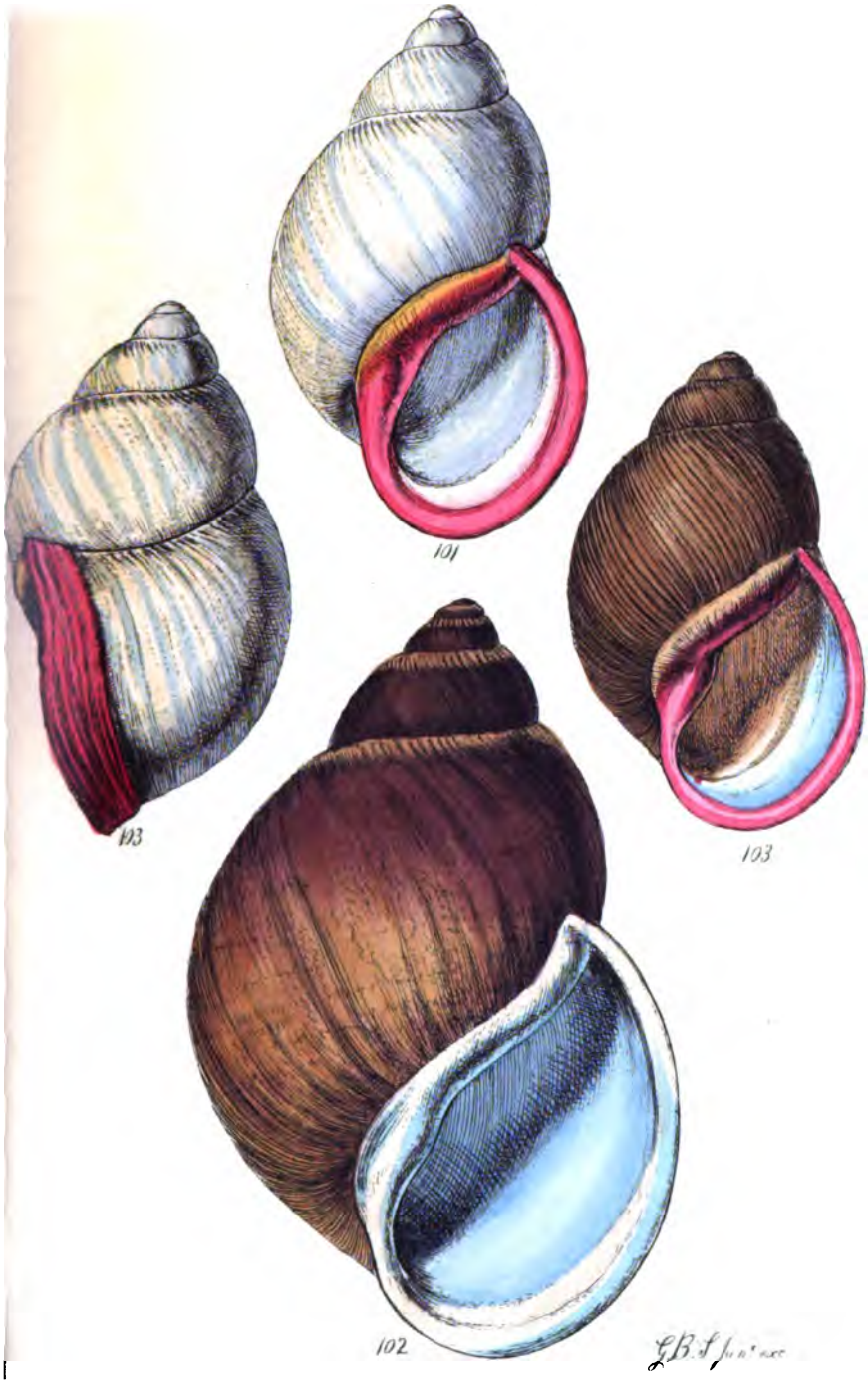
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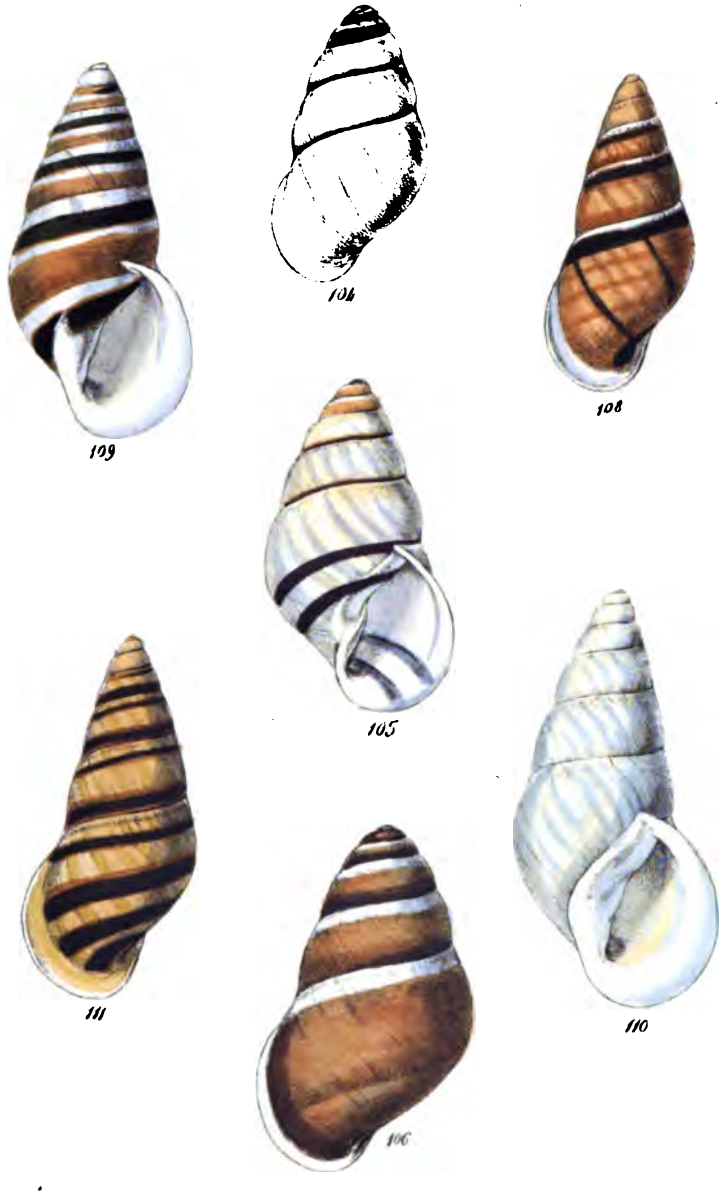
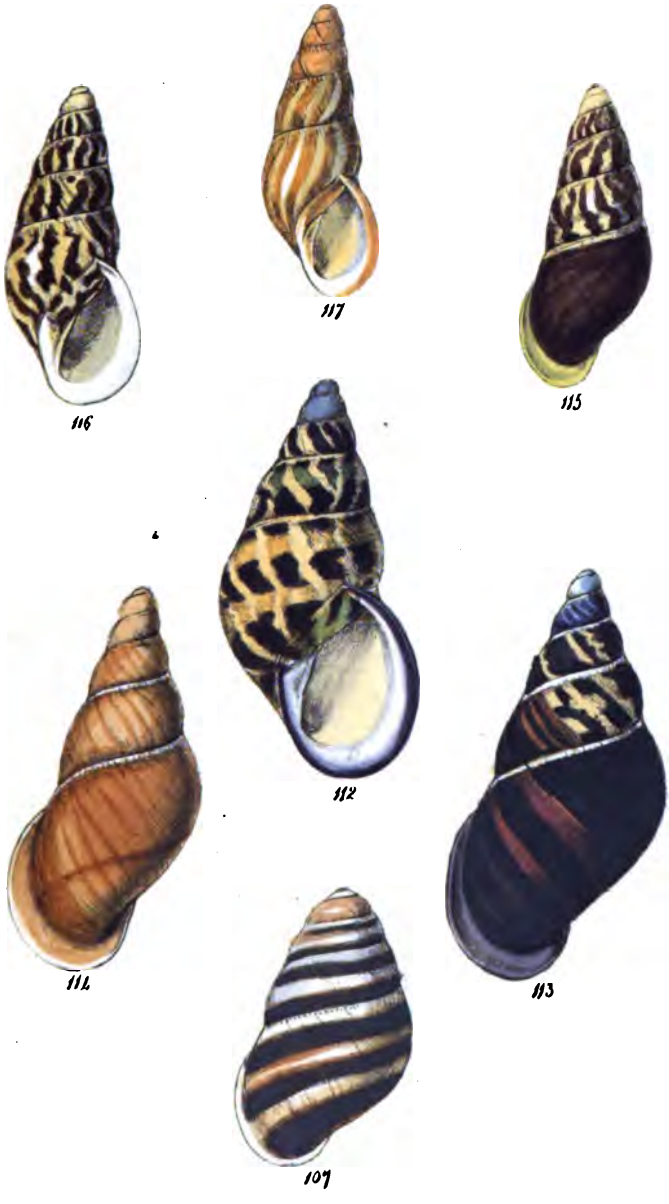
Bulinus



Bulinus



A CATALOGUE

Of all the Species hitherto known of the Genus Chilina, of Gray, represented in the 135th and 136th parts of

Conchological Illustrations,

By G. B SOWERRY, Jun.

Spec. 1 Chilina Dombeyana. Conch. Illustr. f. 11.

2. ———ampullacea. *Sowerby*. Malacological and Conchological Mag. part 2. Conch. Illustr. f. 3.

3. ———tenuis. *Gray*. Conch Illustr. f. 12.

4. ———fluctuosa. *Gray*. Spicilegia Zoologica. t. 6. f. 19. Conch. Illustr. f. 2.

5. ———fluviatilis. *Gray*. In Mus. Brit. Conch. Illustr. f. 5.

6. ———fluminea. *Gray*. Spicil. Zool. p. 5. Conch. Illustr. f. 7.

7. ———major. *Sowerby*. Malacol. and Conchol. Mag. part 2, Conch. Illustr. f. 10.

8. ———robustior. *Sowerby*. Malacol. and Conchol. Mag. part 2. Conch. Illustr. f. 1.

9. ———Parchappii *D'Orb*. Synops. Conch. Illustr. f. 8.

10. ———Tehuelcha. *D'Orb*. M. S. Conch. Illustr. f. 9.

11. ———Puelcha. *D'Orb*. M. S. Conch. Illustr. f. 13.

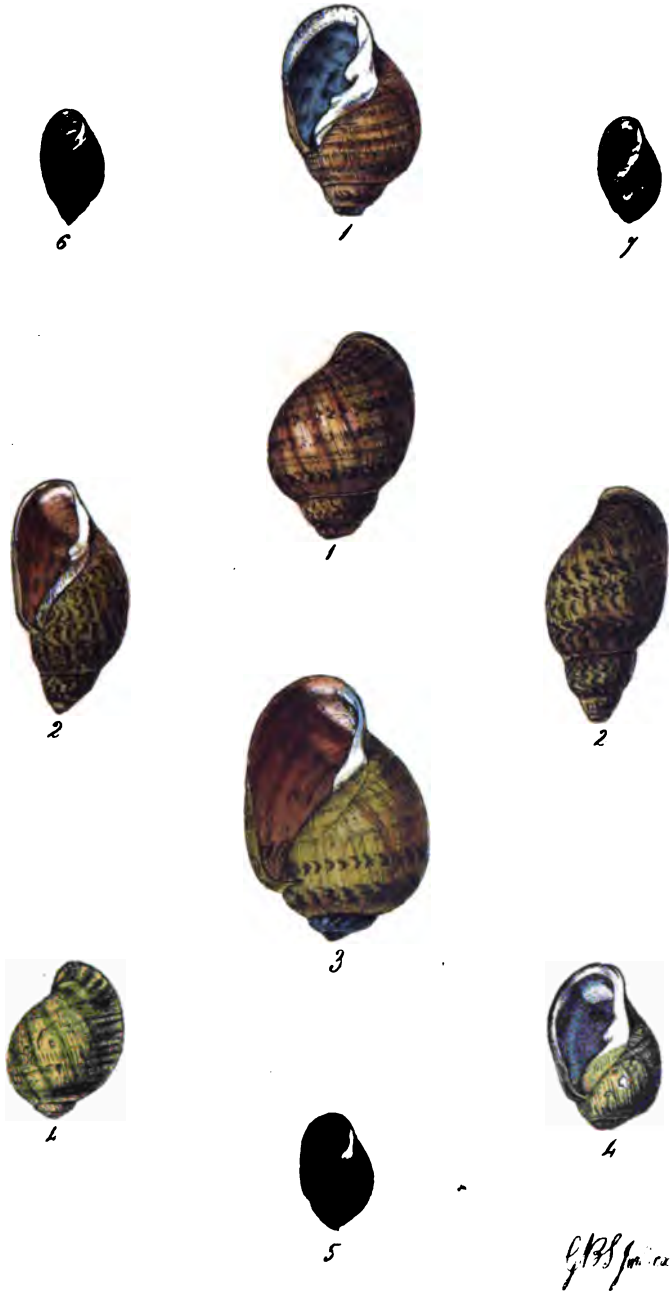
12. ———gibbosa. *Sowerby*. Malacol. and Conchol. Mag. part 2. Conch. Illustr. f. 4.

13. ———ovalis. *Sowerby*. Malacol. and Conchol. Mag. part 2. Conch. Illustr. f. 6.

LIST OF FIGURES.

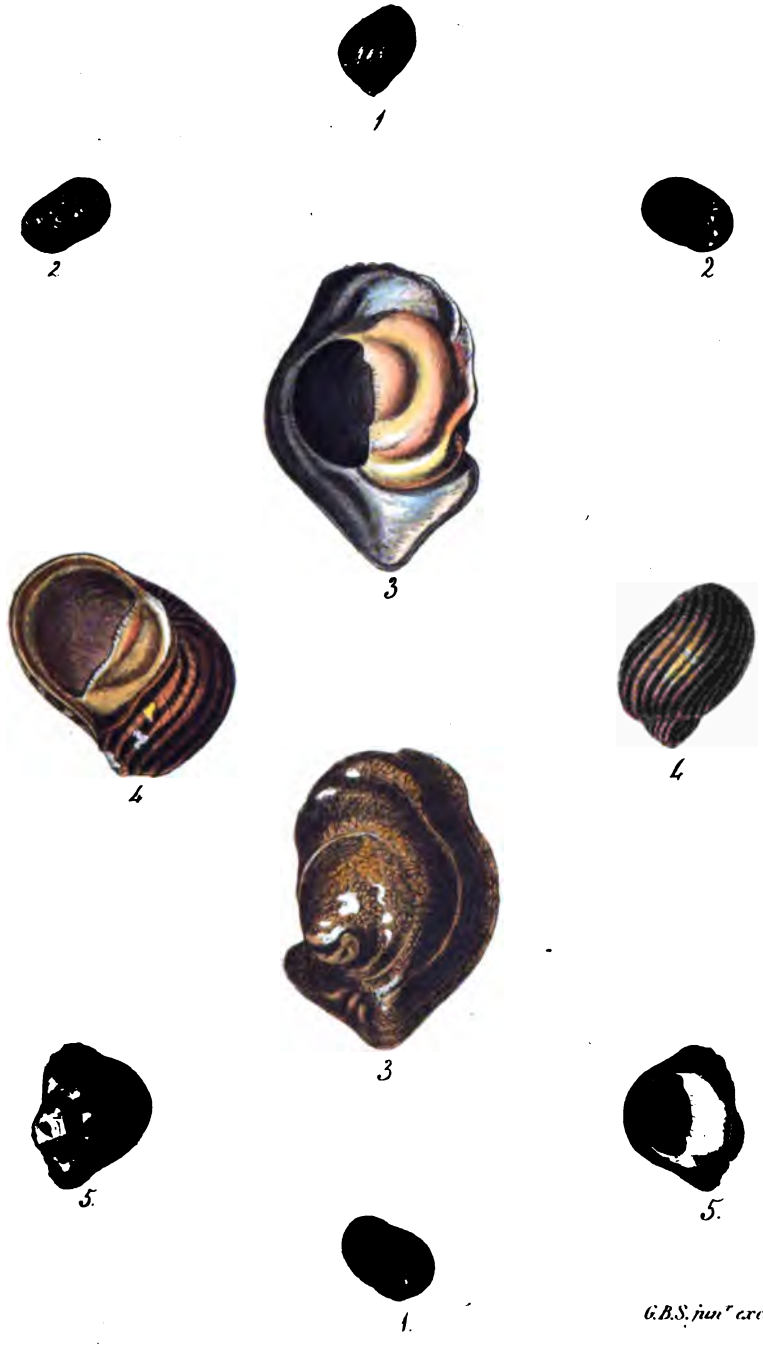
Fig. 1. Chilina robustior
2. ———fluctuosa.
3. ———ampullacea.
4. ———gibbosa.
5. ———fluviatilis.
6. ———ovalis.
7. ———fluminea.
8. ———Parchappii.
9. ———Tehuelcha.
10. ———major.
11. ———Dombeyana.
12. ———tenuis and var.
13. ———Puelcha.

Chilina.



G.B.S. Jun. exc.

Fig. 28. N. dubia, *Lam.* Sp. 3.
29. N. gagates, Lam. Sp. 7.
30. N. pupa, *Dillwyn*, Sp. 45.
31. N. Zebra, *Lam.* Sp. 4.
32. N. strigilata, *Lam.* var. Sp. 18.
33. N. fluviatilis, *Lam.* Sp. 21.
34. N. chlorostoma, *Sow.* Sp. 34.
35. N. fasciata, *Lam.* Sp. 15.
36. N. Smithii, *Gray*, Sp. 28.
37. N. lineolata, Lam. Sp. 16.
38. N. lugubris, *Lam.* Sp. 8.
39. N. Nux, *Brod.* Sp. 32.
40. N. Morio, *Sow.* Sp. 37.
41. N. ziczac, *Lam.* Sp. 5.
42. N. Domingensis, Lam. Sp. 14.
43. N. obtusa, *Benson*, Sp. 52.
44. N. reticularis, Sow. Sp. 51.
45. N. Bætica, *Lam.* Sp. 23.
46. N. Prevostiana, Sp. 42.
47. N. Danubialis, *Sadler*, Sp. 43.
48. N. labiosa, *Sow.* Sp. 49.
49. N. Jordani, *Sow.* Sp. 48.
50. N. subsulcata, Sow. Sp. 50.
51. N. Caffra, *Gray*, Sp. 27.
52. N. Coromandeliana, Sow. Sp. 53.
53. N. Philippinarum, Sow. Sp. 54.
54. N. Sumatrensis, Sow. Sp. 56.
55. N. Cassiculum, Sow. Sp. 55.
56. N. lutesens, Sp. 46.
57. N. Dalmatica, *Partch*, Sp. 44.
58. N. rivalis, Parreyss, Sp. 47.
59. N. pulchra, Sow. Sp 57.
60. N. triserialis, Sow. Sp. 58.



G.B.S. junr exc.

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G.B.S. jun.

Neritina.

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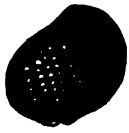
Neritina.



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G.B.S. jun. exc.

Neritina

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G.B.S Jun. exc

Neritina

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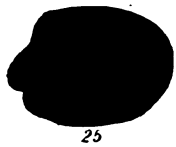
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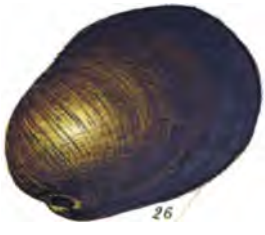
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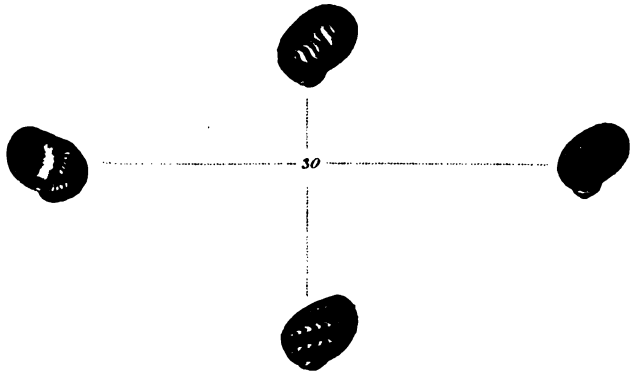
Neritina



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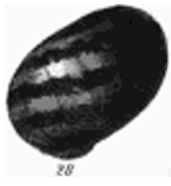
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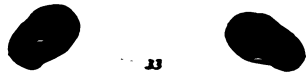
Neritina



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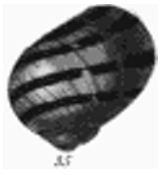

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G. B. S. jun. exc.

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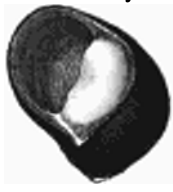
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G.B.S. jun. esc.

Neritina.

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EULIMA.

Corrected list of figures in parts 52, 53, of

CONCHOLOGICAL ILLUSTRATIONS.

Fig. 1. E. major.

1.* ——— var.

1** ——— var.

2. E. labiosa.

3. E. subangulata.

4. E. imbricata.

5. E. anglica.

6. E. pusilla.

7. E. splendidula.

8. E. marmorata.

9. E. brunnea.

10. E. hastata.

11. E. interrupta.

12. E. articulata.

13. E. lineata.

14. E. varians.

15. E. brevis.

Eulina.

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1**

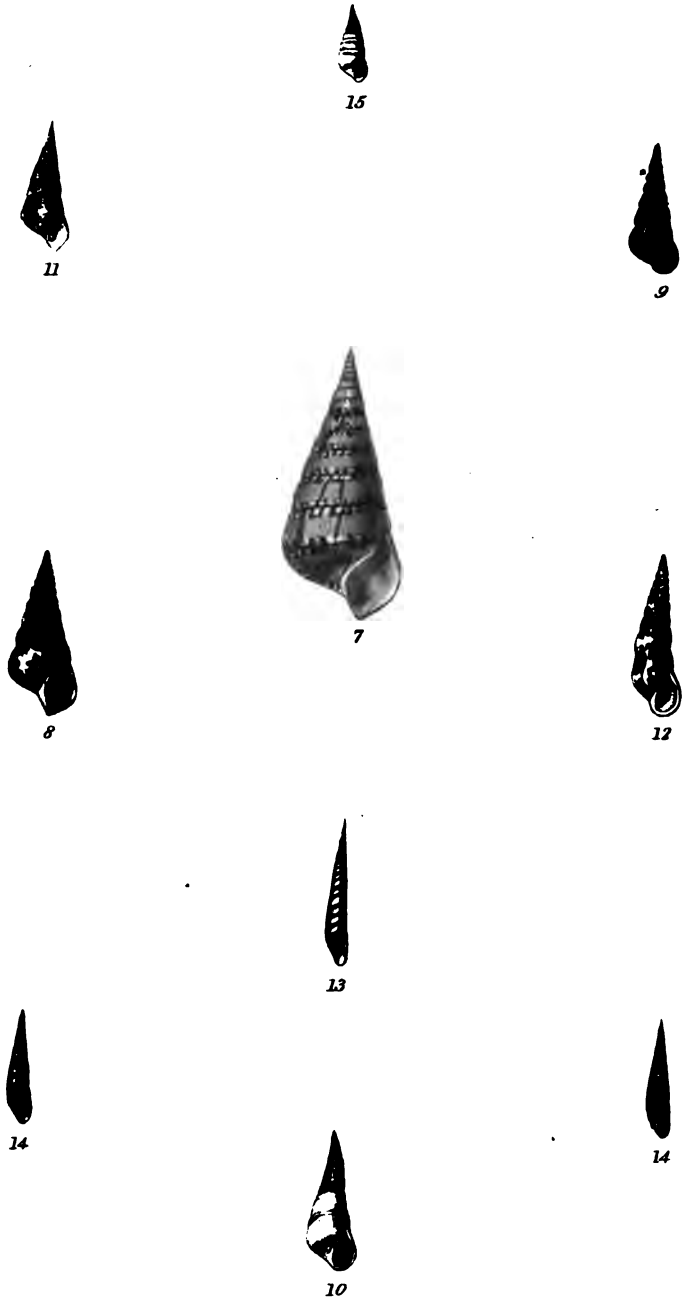
3

5

1*

G.B.S. jun. exc.

Eulina.



G.B.Sjun. exc.

A CATALOGUE

OF ALL THE SPECIES HITHERTO KNOWN OF LEACH'S GENUS MARGARITA,

Represented in the 132*nd*, 133*rd*, *and* 134*th Parts of*

Conchological Illustrations,

BY

G. B. SOWERBY, JUN.

Spec. 1. Margarita tæniata, Conch. Ill. fig. 2.
2. ——— violacea, *King*, in Zool. Journal, vol. v. p. 346. Conch. Ill. f. 11.
——— violacea var. Conch. Ill. f. 12.
3. ——— expansa, *Sowerby*, in Malacol. and Conchol. Mag. p. 24. Conch. Ill. f. 16.
——— expansa var. Conch. Ill. f. 17.
4. ——— sigaretina, *Sowerby*, in Malacol. and Conchol. Mag. p. 24. Conch. Ill. f. 14.
5. ——— vulgaris, *Leach*, Conch. Ill. f. 13.
6. ——— carnea, (Turbo carneus *Lowe*) Conch. Ill. f. 9.
7. ——— striata, *Brod.* & *Sowerby*, in Zool. Journal, iv. Conch. Ill. f. 3. 18.
8. ——— arctica, *Leach*. Conch. Ill. f. 6.
9. ——— grœnlandica, *Beck*. Conch. Ill. f. 10.
10. ——— umbilicalis. *Brod.* & *Sowerby*, Zool. Journal, iv. Conch. Ill. f. 5.
11. ——— sulcata, *Sowerby*, in Malacol. and Conchol. Mag. p. 26. Conch. Ill. f. 1.
12. ——— undulata, *Sowerby*, in Malacol. and Conchol. Mag. p. 26. Conch. Ill. f. 4.
13. ——— costellata, *Sowerby*, in Malacol. and Conchol. Mag. p 26. Conch. Ill. f. 15.
14. ——— acuminata, *Sowerby*, in Malacol. and Conchol. Mag. p. 26. Conch. Ill. f. 7.
15. ——— Solariiformis, *Sowerby*, in Malacol. and Conchol. Mag. p. 26. Conch Ill. f. 8.

CANCELLARIÆ.

Corrected List of Figures, in parts 9 *to* 13.

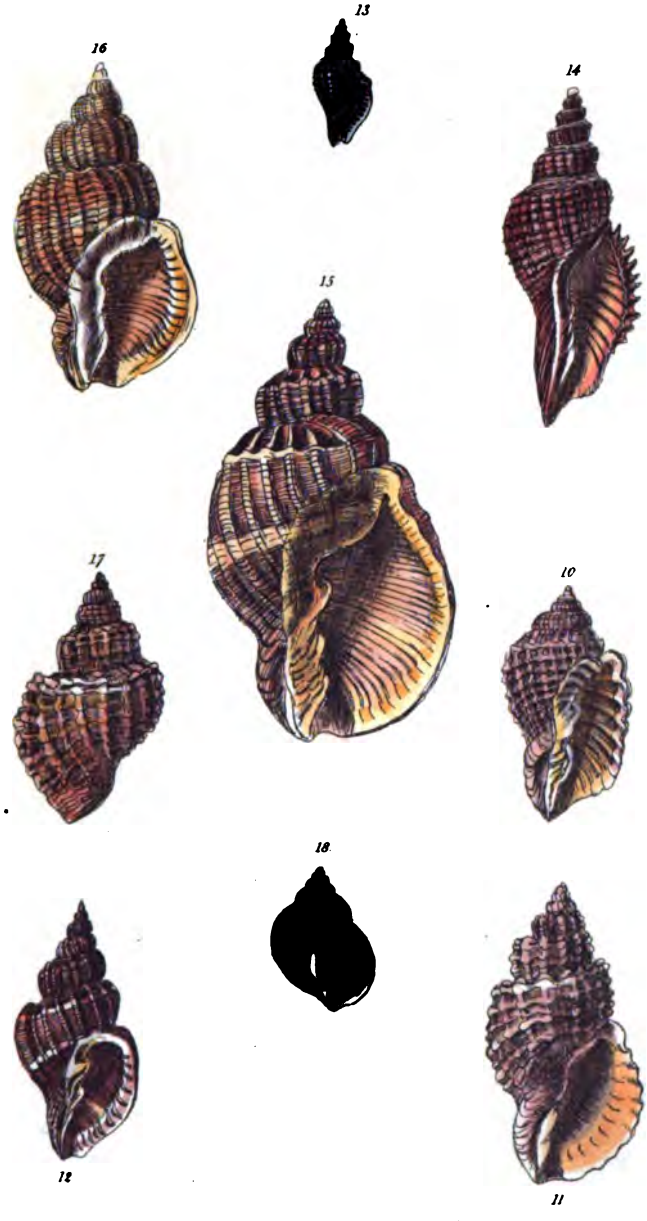
Fig. 1. C. candida.
2. C. ovata.
3 & 4. C. obesa.
5. C. acuminata.
6. C. solida.
7. C. gemmulata.
8. C. decussata.
9. C. indentata, jun.
10. C. indentata.
11. C. buccinoides.
12. C. clavatula.
13. C. uniplicata.
14. C. mitriformis.
15. C. Tritonis.
16, 17. C. granosa.
18. C. Littoriniformis.
19. C. oblonga.
20, 20.* tessellata.
21. C. nodulifera.
22. C. cassidiformis.
23. C. Australis.
Fig. 24. C. lævigata.
25. C. spirata.
26. C. obliquata.
27. C. scalata.
28. C. contabulata.
29. C. crenifera.
30. C. crispa.
31. C. costifera.
32. C. articularis.
33. C. brevis.
34. C. pusilla.
35. C. bullata.
36. C. tuberculosa.
37. C. pulchra.
38. C. similis.
39. C. chrysostoma.
40. C. hæmastoma.
41. C. rigida.
42. C. costata.
43. C. goniostoma.
44. C. trigonostoma.

Obs. Lamarck's C. senticosa, C. citharella, and C. Ziervogliana do not belong to this genus; the first is a Phos, the 2nd. an Oniscia, and the last a Mitra. His C. scalariformis is unknown to the author.

Cancellaria.

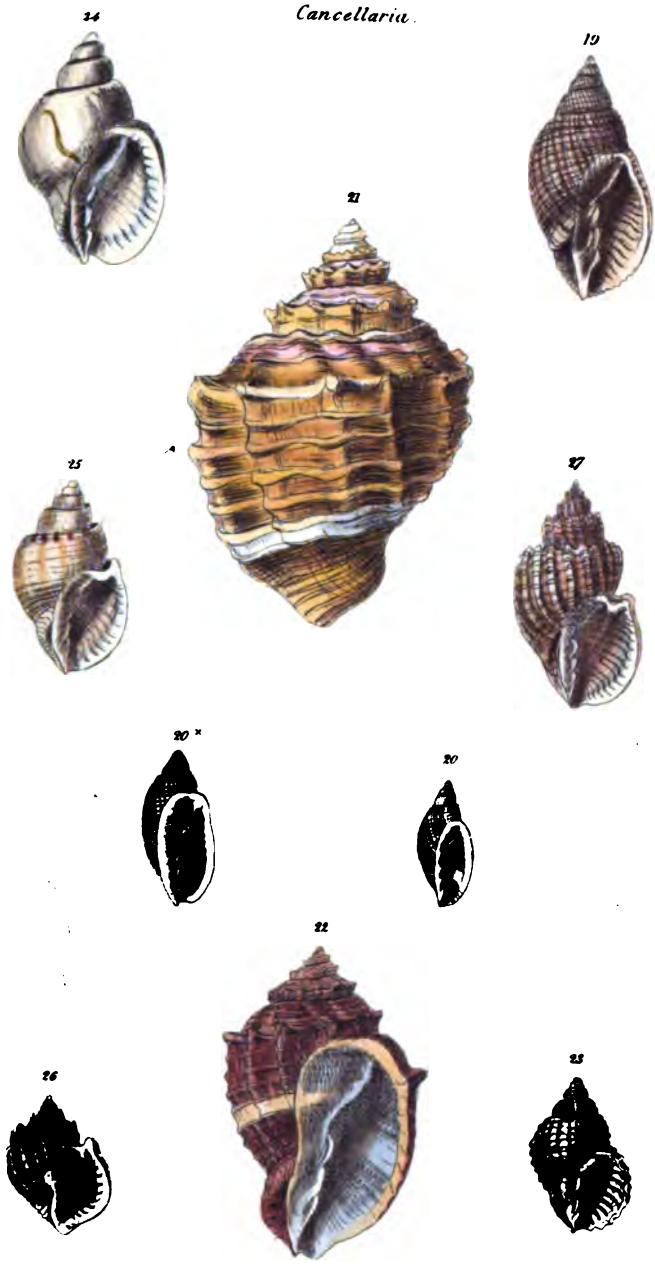
G.B.S. jun. ad

Cancellaria.



G.B.S

Cancellaria.



G.B.S.J

MUREX.

A CATALOGUE OF RECENT SPECIES,

BY

G. B. SOWERBY, Jun.

Sp.

1. M. tenuispina, *Lam.* vii. p. 158. Ch. Conch. t. 189. f. 1821. t. 190. f. 1822. Moluccas. *Gray* says that the M. tenuirostrum of Lam. is a specimen of this, without spines. Philippines.
2. M. ternispina *Lam.* vii. p. 158. Con. Illus. f. 110 *Var.* M. aduncospinosus, *Beck.* Con. Illus. f. 68. E. Indies.
3. M. crassispina, *Lam.* vii. p. 157. Martini. t. 113. f. 1052. Philippines. In this species the 2nd spine is longest.
4. M. rarispina, *Lam.* 7. p. 158, M. unidentatus, Con. Illus. f. 52, E. Indies.
5. M. Scolopax, Dillwyn, Descr. Cat. p. 681. Ch. Conch. f. 1819—20. Red Sea. Smoother than the last, with yellowish brown lines across.
6. M. Occa *Sow. Jun.* Zool. Proc. 1840. Con. Illus. f. 45. Nicobar Isl.
7. M. brevispina, *Lam.* vii. p. 159. Con. Illus. f. 10.
8. M. chrysostoma, *Gray?* Con. Illus. f. 1.
9. M. Messorius. *Sow. Jun.* Zool. Proc. 1840. Con. Illus. f. 93.
10. M. Haustellum, *Lim. Gmel.* p. 3524. *Martini.* Conch. t. 115. f. 1066. Moluccas. Philippines.
11. M. rectirostrum, *Sow. Jun.* Zool. Proc. 1840. Con. Illus. f. 111.
12. M. nigrescens, *Sow. Jun.* Zool. Proc. 1840. Con. Illus. f. 113. Xipixapi. Columbia. Mr. Cuming.
13. M. recurvirostrum, *Brod.* Zool. Proc· 1832. p. 174. Con. Illus. f. 9. Gulf of Nocoyo. Central Amer. Mr. Cuming.
14. M. pliciferus. *Sow. Jun.* Zool. Proc. 1840. Con. Illus. f. 101.

Fig.
67 M. Maurus, var. Sp. 39.
68 M. ternispina, var. Sp. 2.
69 M. Motacilla, var. Sp. 18.
70 M. similis, Sp. 20.
71 M. tumulosus, Sp. 71.
72 M. corrugatus, Sp. 44.
73 M. scabrosus, Sp. 28.
74 M. canaliferus, Sp. 51.
75 M. mitriformis, Sp. 52.
76 M. Capensis, Sp. 53.
77 M. Saulii, Sp. 34.
78 M. laqueatus, Sp 45.
79 M. cancellatus, Sp. 50.
80 M. Edwardsii, Sp. 66.
81 M. inconspicuus, Sp. 67.
82 M. Banksii, Sp. 31.
83 M. Balteatus, Sp. 105.
84 M. elegans, Sp. 19.
85 M. acanthopterus, Sp. 59.
86 M. fasciatus, Sp. 68.
87 M. inermis, Sp. 103.
88 M. elongatus, var. Sp. 22.
89 M. elongatus, var. Sp. 22.
90 M. turbinatus, Sp. 94.
91 variety of the same.
92 M. Mindinaoensis, Sp. 17.
93 M. Messorius, Sp. 9.
94 M noduliferus, Sp. 120.

Fig.
95 M. Cyclostoma, Sp. 107.
96 M. erosus, var. Sp. 104.
97 M. Monoceros, Sp. 62.
98 M. emarginatus. Sp. 61.
99 M. rufus, var. Sp. 42.
100 M. emarginatus, Sp. 61.
101 M. pliciferus, Sp. 14.
102 M. trigonulus, Sp. 48.
103 M. Peruvianus, Sp. 112.
104 M. palmiferus, Sp. 43.
105 M. microphyllus, Sp. 38.
106 M. uncinarius, Sp. 57.
107 M. trigonularis, Sp. 56.
108 M. varius, var. Sp. 69.
109 M. pinniger, Sp. 49.
110 M. ternispina, Sp. 2.
111 M. rectirostrum, Sp. 11.
112 M. formosus. Sp. 16.
113 M. nigrescens, Sp. 12.
114 M. digitatus, Sp. 77.
115 M. acanthopterus? Sp. 59.
116 M. secundus, Sp. 75.
117 M. inconspicuus, Sp. 67.
118 M. Rosarium, Sp. 87.
119 M. Rota, Sp. 73.
120 M. torrefactus, Sp. 35.
121 M. torrefactus, var. Sp. 35.

Murex

2 Fusus nucleus

3 F. Pallidus

1 Chrysostoma. Gray

4 nitidus. Cant. America
young; Princeps.

4

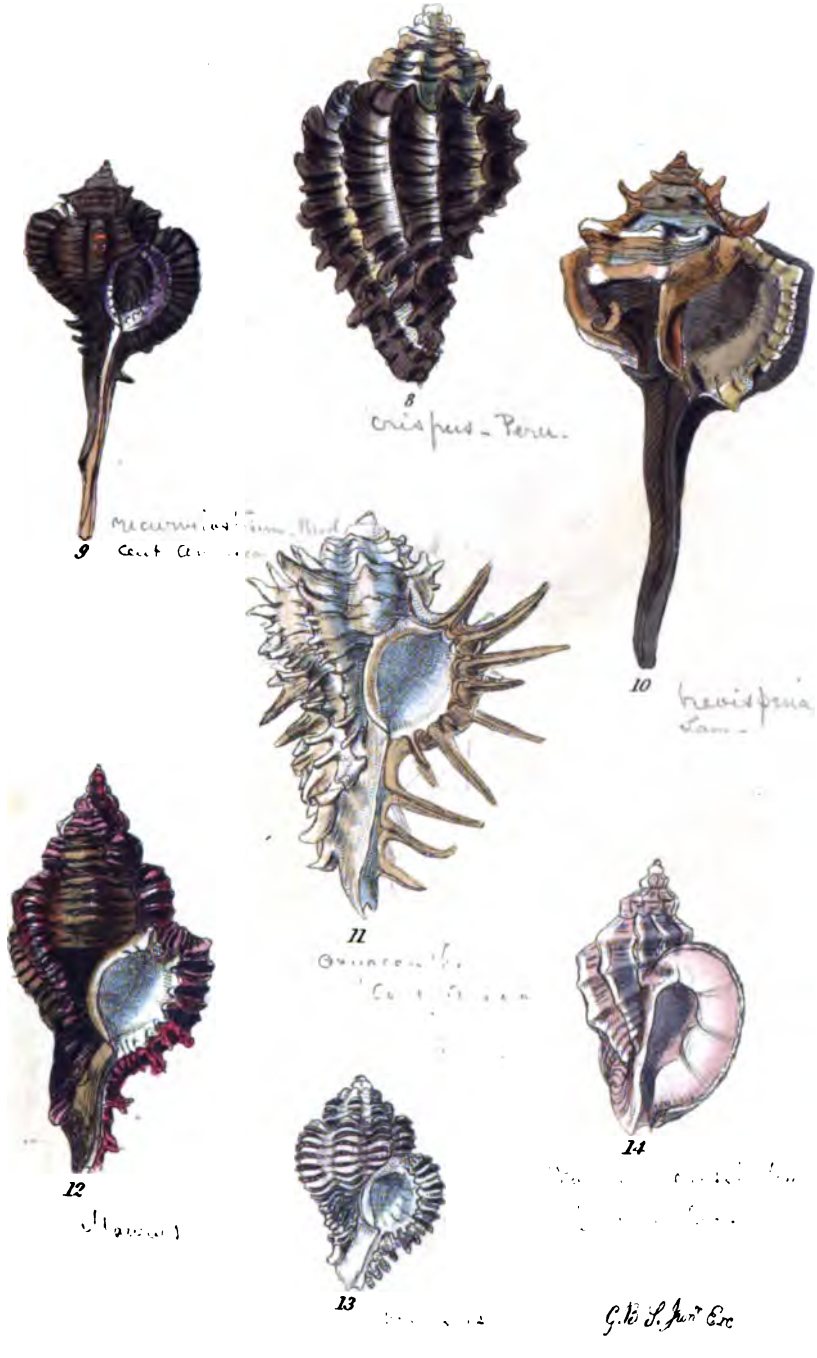
6

5 Salmonetus [illegible]

7 [illegible]

[illegible]

Murex



Murex.

G.B.S. jun. exc.

Murex.

22 *Fusus carduus*

23 *M. dubius*

24 *Tarentinus* [illegible]
Sicily & portugal &
var. erinaceus?

25 *tetragonus*

26 *lugubris*

27 *Fusus squamosus*
M. squamosus
[illegible]

28 *Pollia brixea* [illegible]
Murex. bursa [illegible]

29

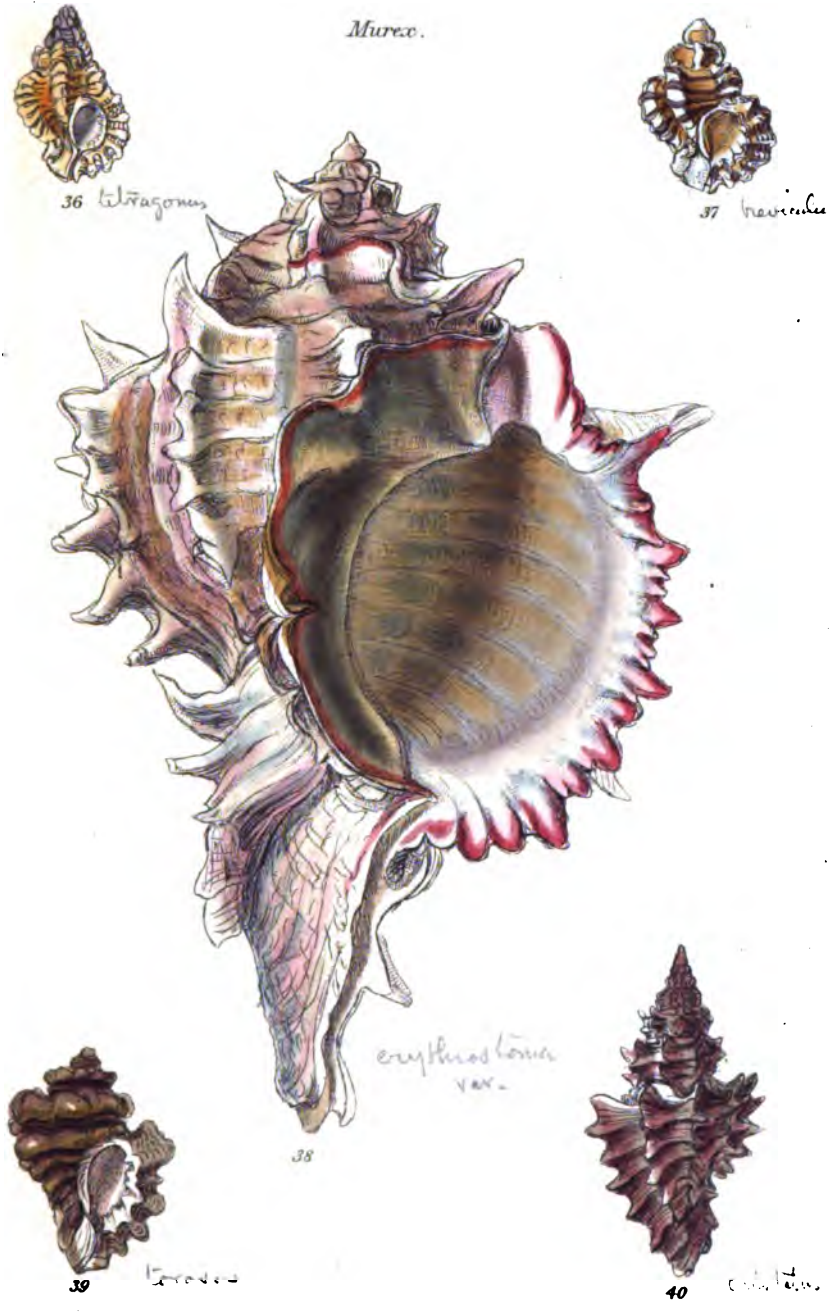
G.B.S. jun. exc.

[illegible]

Murex.

G.B.S. jun. exc

Murex.



G.B.S. jun. exc.

Murex.

fenestratus
41 Philippines

42 Fiscellum - Chin
Ioslōma

Princeps -
Cent. America
43

Castaneus -
44

Occa
45

GB.S.jun.exc.

Murex.

46

Humilis

47 Humilis

48 Salebrosus-
Panama
Kipikapi

49
Varicosus-

50

51

G.B.S. jun. exc.

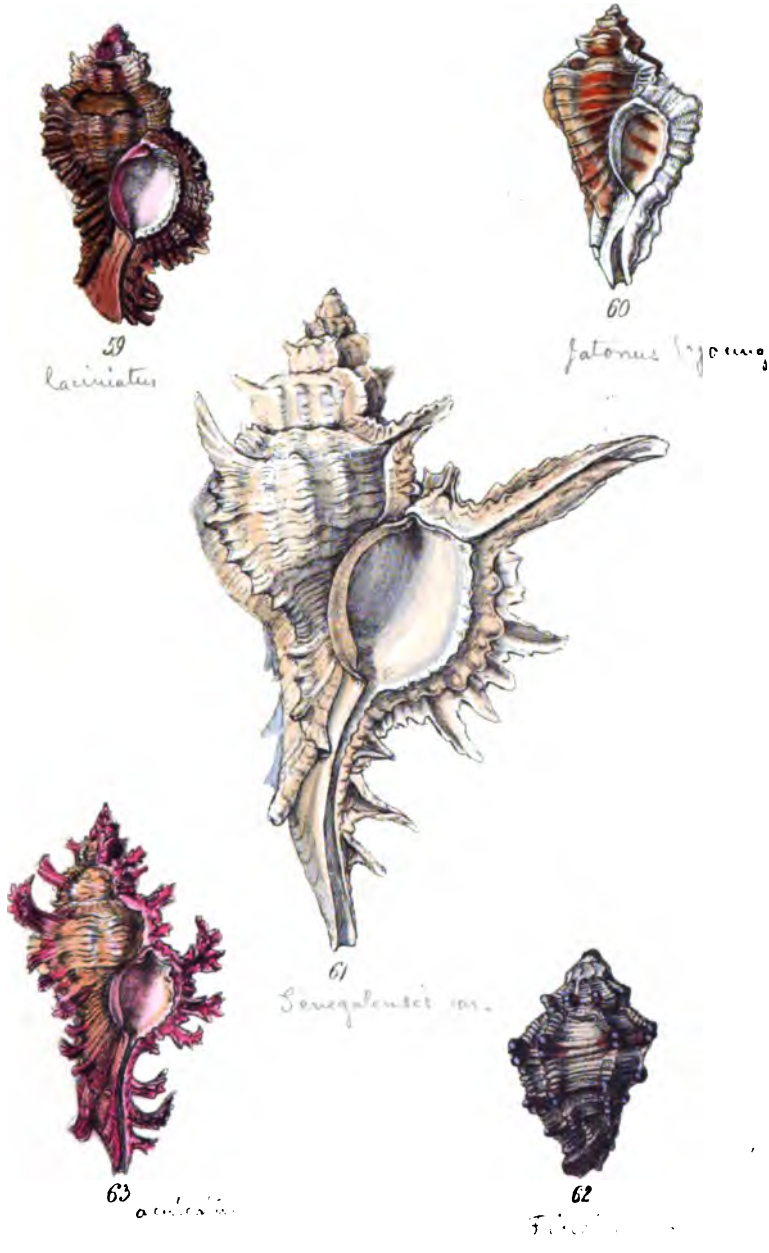
Murex.

G.B.S. jun. exc.

Murex.

G.B.S. jun. sc.

Murex



Murex

75.
nitriformis

72
canaliferus

74
canaliferus

77
Soulié

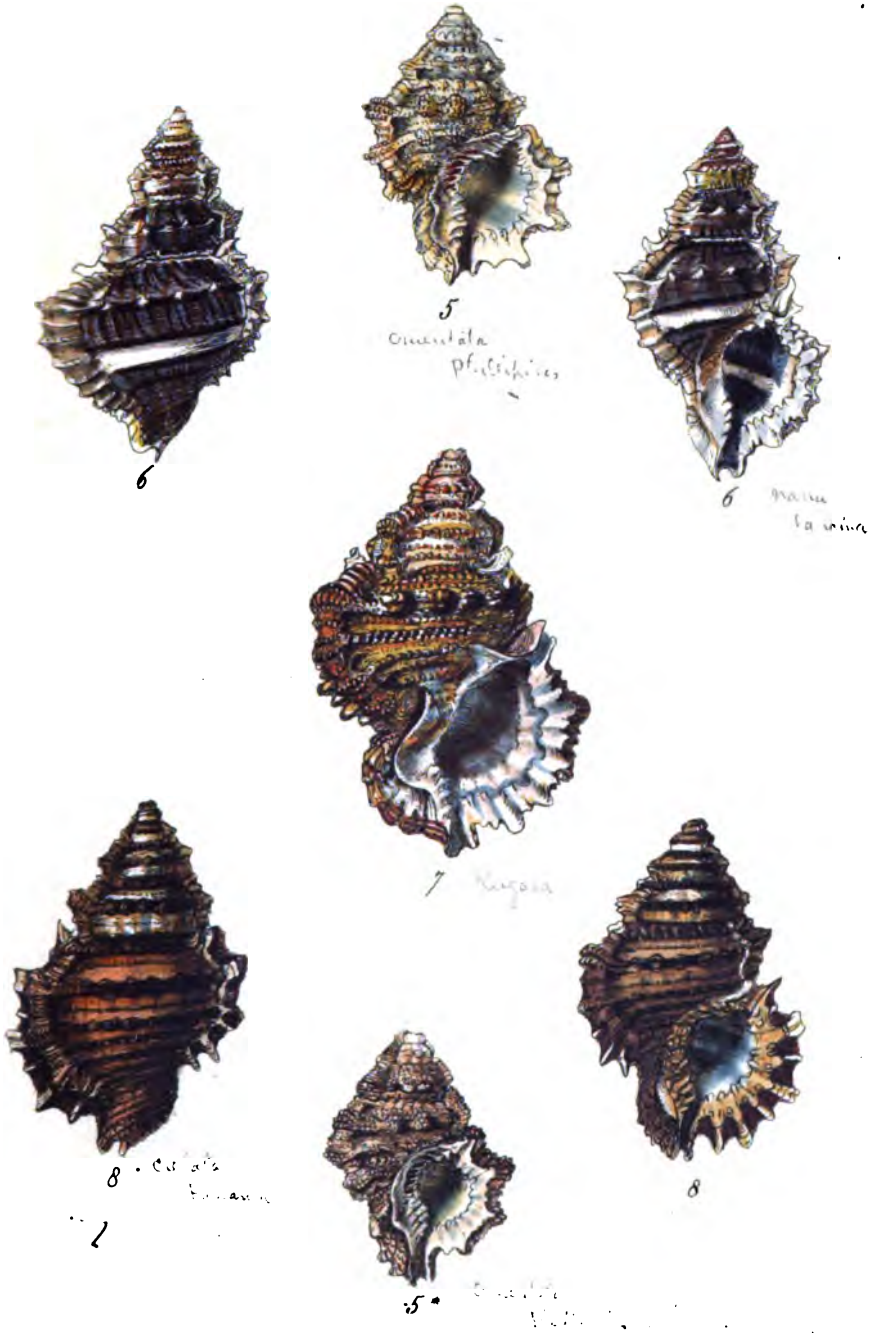
78. laqueatus

79
[illegible]

76 [illegible]

Murex

Ranella.



Ranella.

Ranella.

19 pulchra

20 verrucosa

20

19

21

21

22

G.B.S. junexc

Spec.
10 Mon. Globulus, *Sowerby*. Zool. Proc. Conch. Illustr. f. 8. Chili (Maulé.)

11 Mon. citrinum, *Sowerby*, Zool. Proc. Conch. Illustr. f. 2. var. Conch. Illustr. f. 12. Coquimbo.

12 Mon. brevidentatum, *Gray*, in Beechey's Narrative. Woods Index testaceologicus, Suppl: t. 4. Buccinum. f. 10. Conch. Illustr. f. 4. Purpura cornigera, De Blainville, Annales du Museum, Monographie des Pourpres t. 9. f. 4.

13 Mon. punctulatum, *Gray*, in Beechey's Narrative. Conch. Illustr. f. 3.

14 Mon. unicarinatum, *Sowerby*, Conch. Illustr. f. 5.

15 Mon. tuberculatum, *Gray*. Conch. Illustr. f. 9.

16 Mon. fusoides, *King*, Zool. Journ. V. p. 348. Conch. Illustr. f. 7.

CORRECTED LIST OF FIGURES
In Parts 79, 81 to 83, of the
CONCHOLOGICAL ILLUSTRATIONS.

Fig. 1. M. grande. *a* operculum.
2. M. citrinum.
3. M. punctulatum.
4. M. brevi-dentatum.
5. M. unicarinatum.
6. M. costatum.
7. M. fusoides.
8. M. globulus.
9. M. tuberculatum.
10. M. acuminatum.
11. M. cymatum.
12. M. citrinum, var.
13. M. crassilabrum, var.
14. M. crassilabrum.
15. M. imbricatum, var.
16. M. glabratum, var.

Monoceros.

G.B.S.jun

Eburna.

4

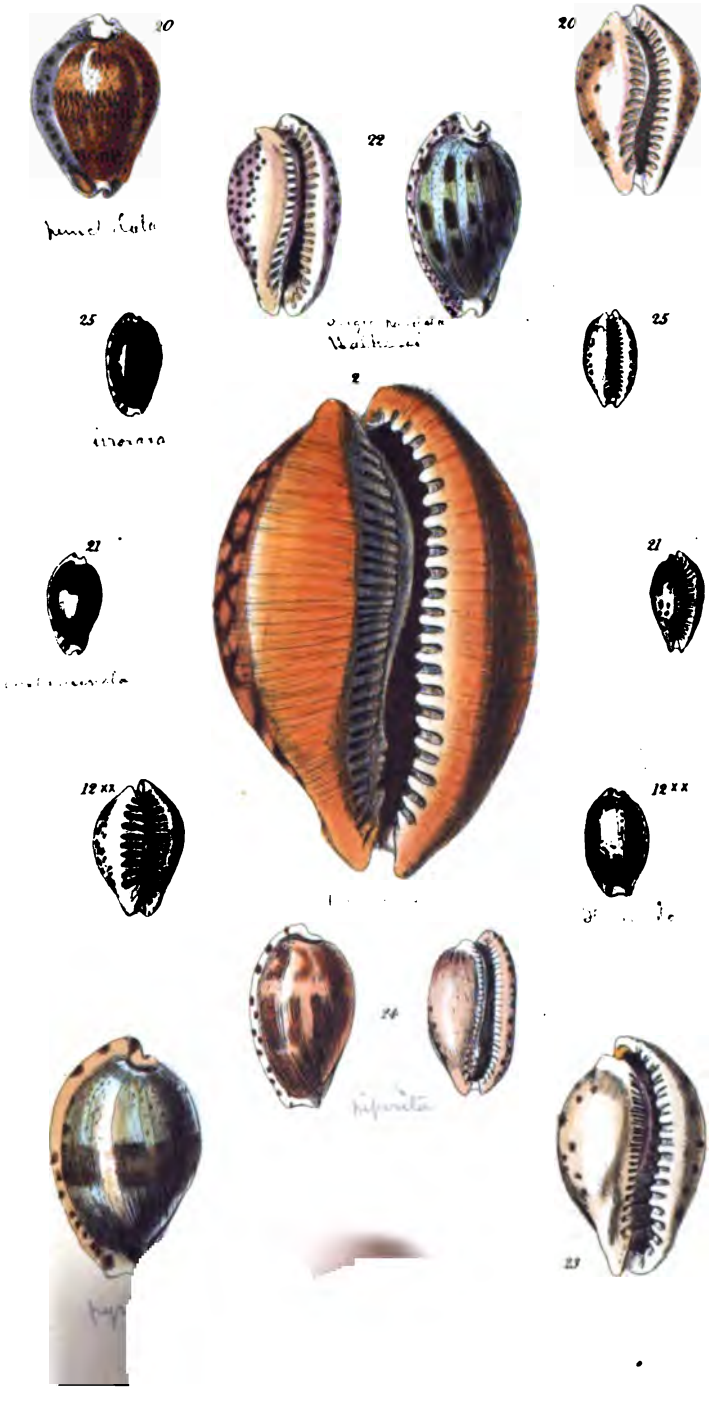
1

5

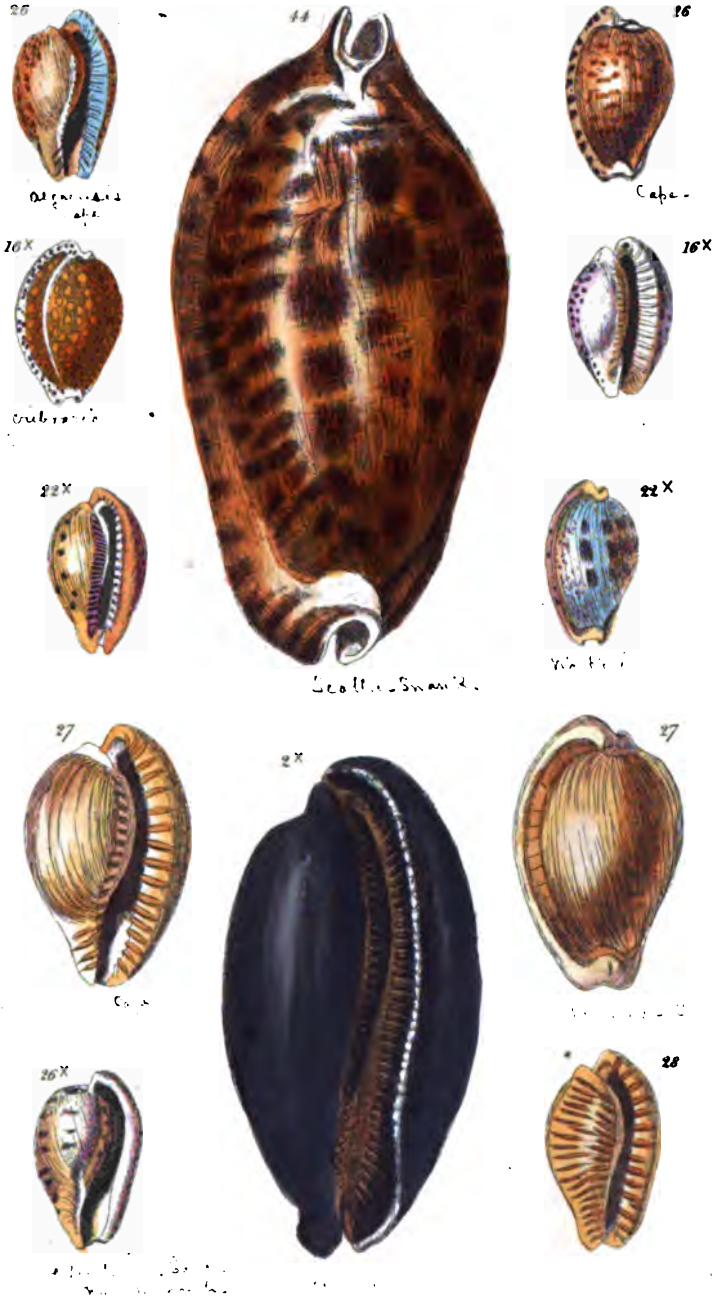
2

3

Cypræa.

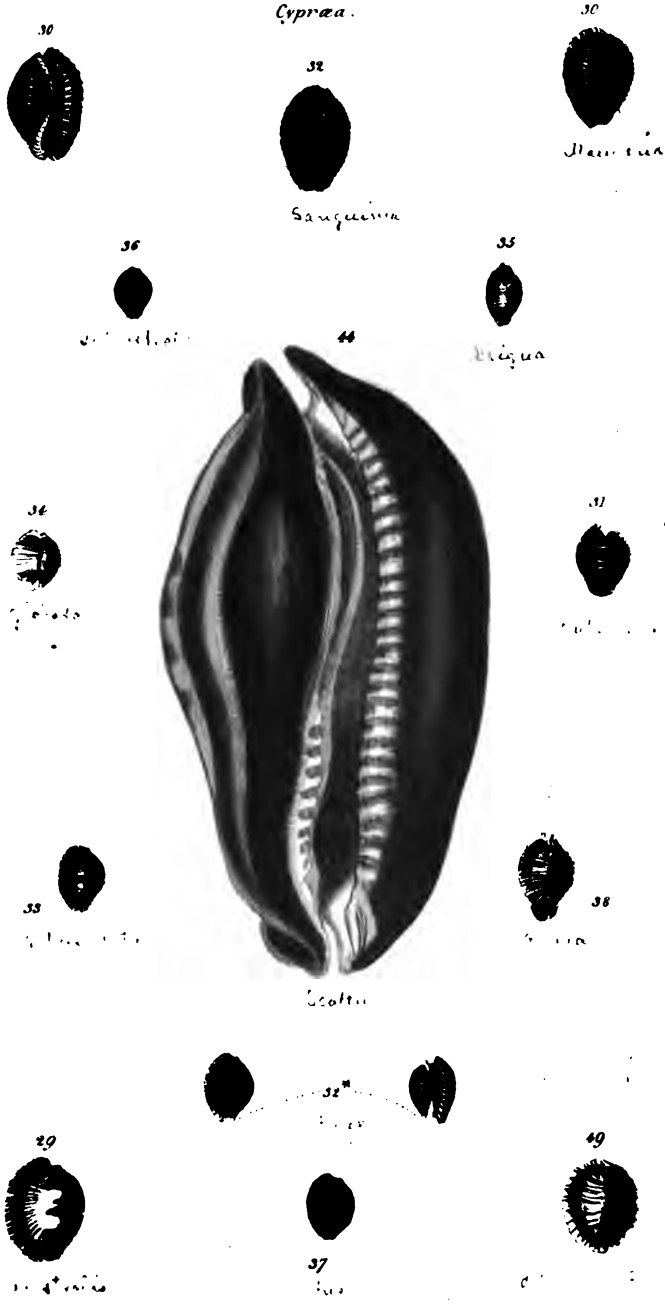


Cypræa.



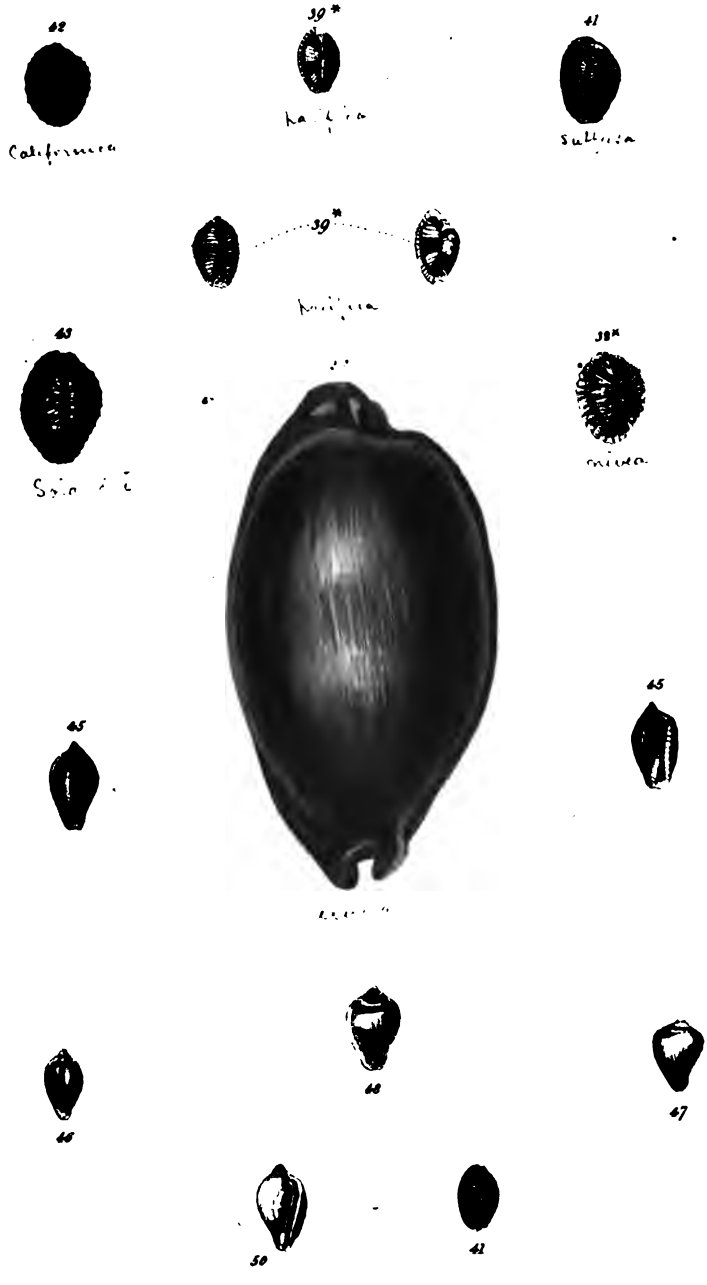
B. S. jun. axc.

Cypræa.



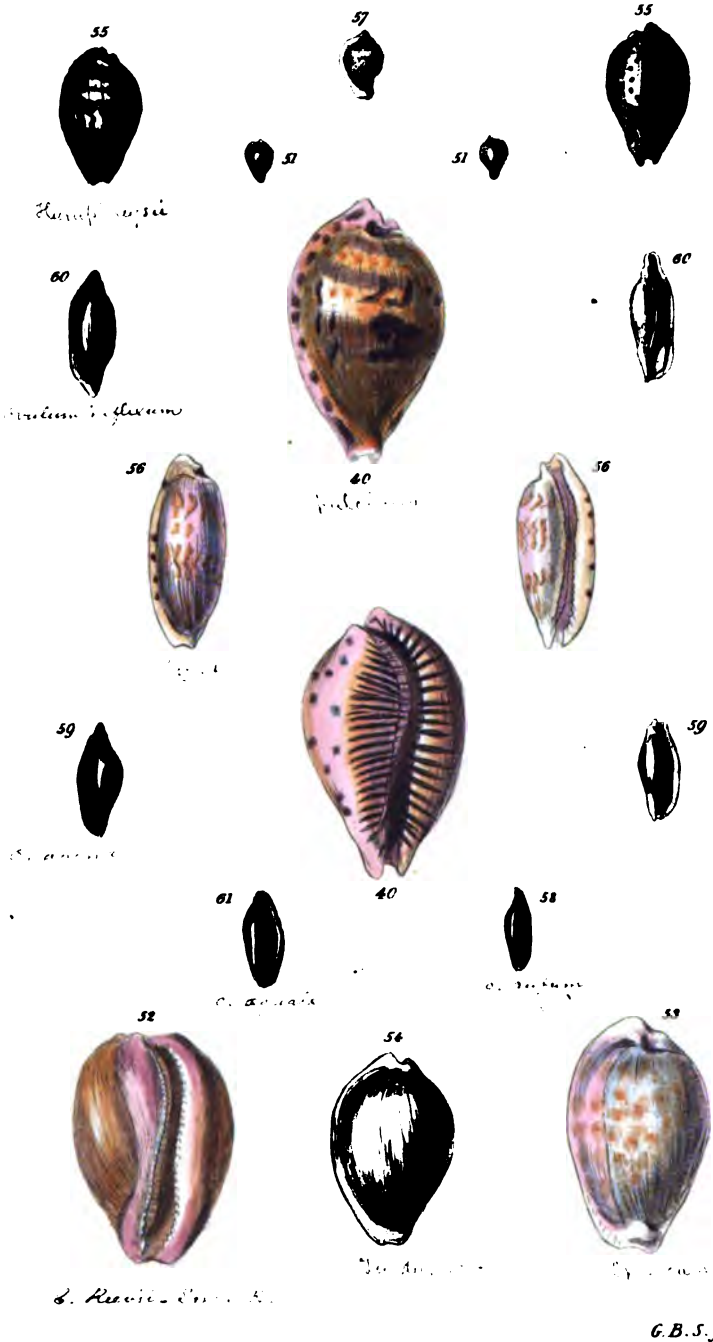
G.B.S. jun. arc.

Cypræa.



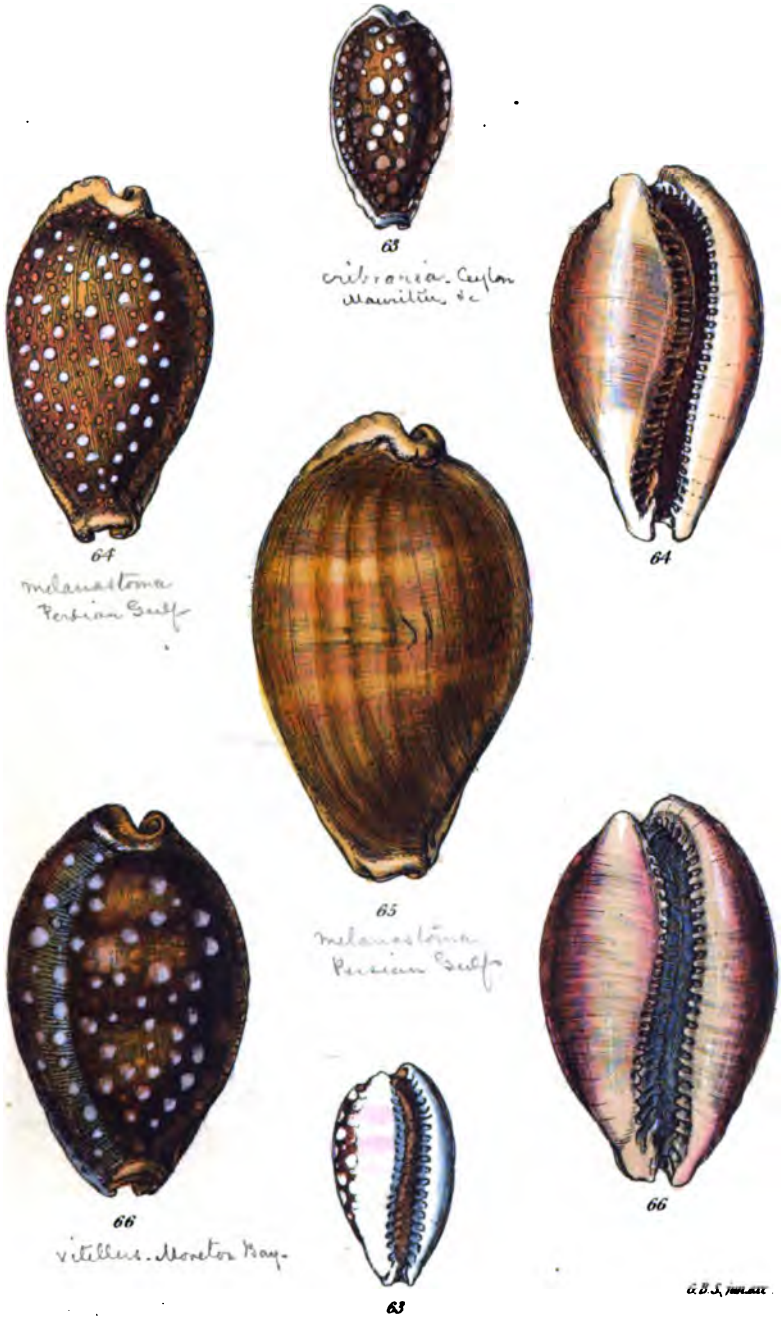
G. B. S. jun. del.

Cypræadæ.



G. B. S. jun. exc.

Cypræa.


63
cribraria. Ceylon
Mauritius &c
64
melanostoma
Persian Gulf
64
65
melanostoma
Persian Gulf
66
vitellus. Moreton Bay.
66
63

Cypræa.

67
ocellata

68

68
poraria
Ceylon & Pacific

70
Mappa - Tigis.

69
[illegible]

69

71
prostulata
Panama

67

71

G.B.S. jun. exc.

77

Cervicula
Panama.

76

77

78

East Indies.

73

78

79

Lonata

76

79

G.B.S. jun. exc.

Cypræa.

83

84

84

85

86

86

85

87

87

Indian Ocean.

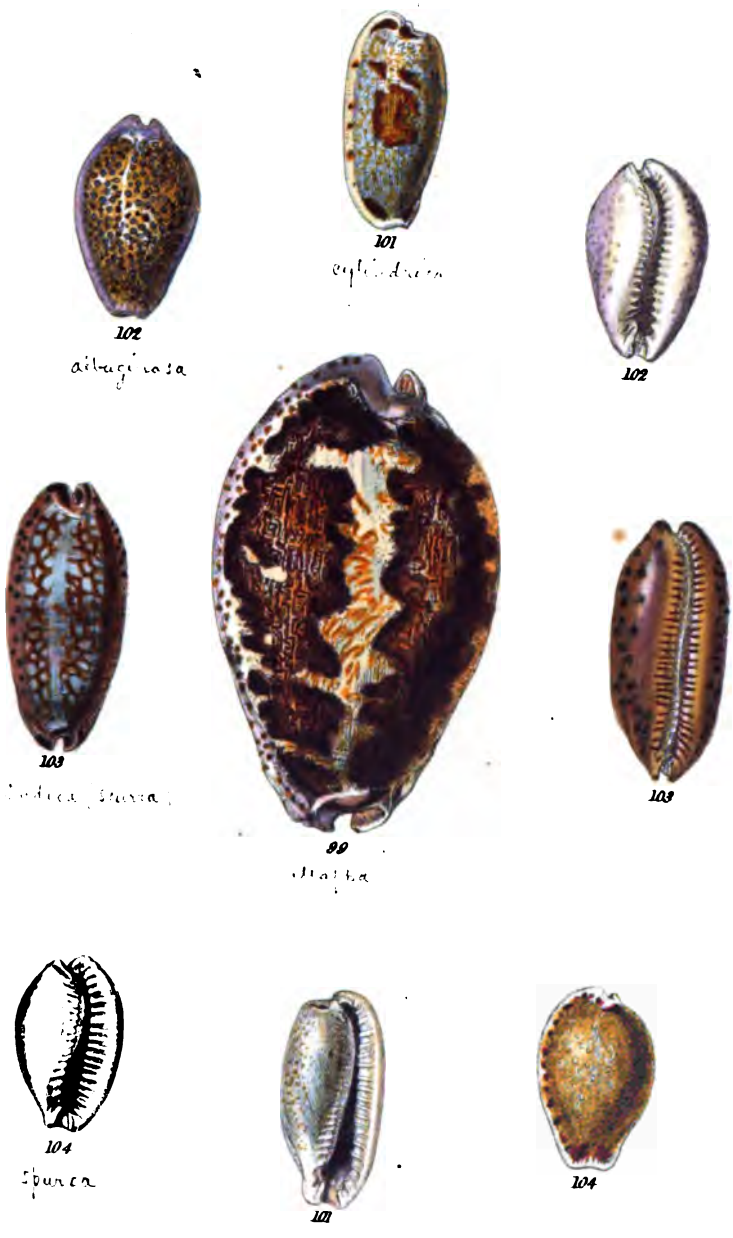
Cypræa.

J B S. junr exc.

Cypræa.

97
Beckii
96
Lamarckii - Figis - var. alba.
96
98
98
Isabella - Figis
99
Mappa var. St Brandon
100
97
100
G.B.S. jun. etc.

Cypræa.



G.B.S. jun. exc.

Cypræa.

106

105

augustata

106

Scurra.

108

Sanguinolenta

107

Lynx.

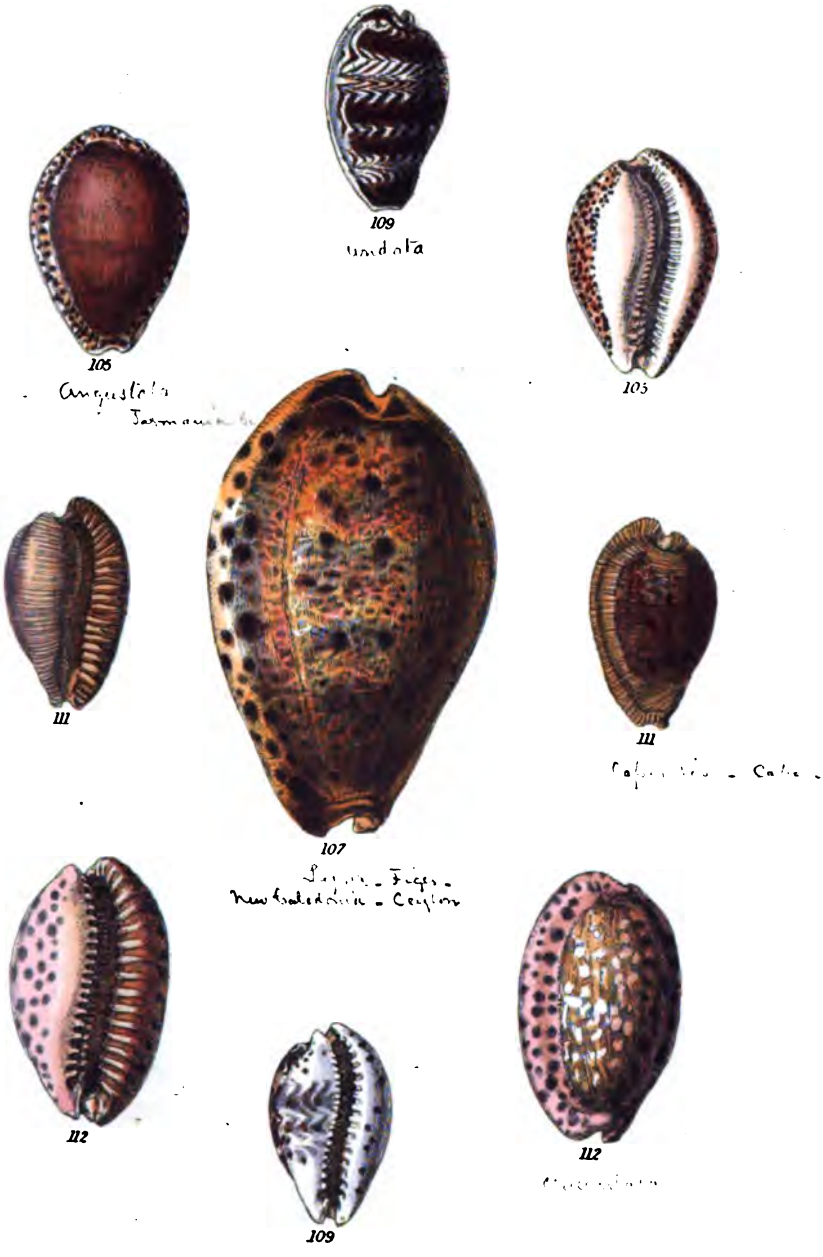
108

110

110

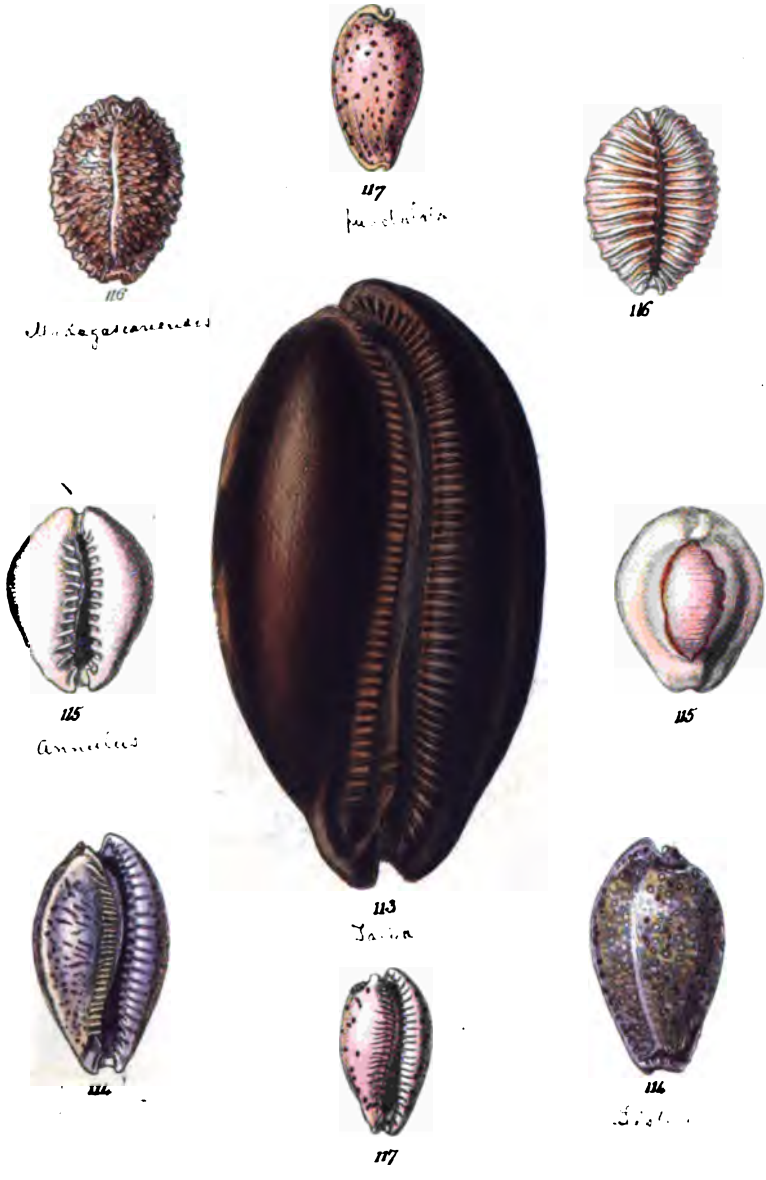
G.B.S. Jun.r exc.

Cypræa.



G B S Junr exc

Cypræa



G.B.S Junr. ex.

Cypræa

121

118

121

Helvola.

120

113

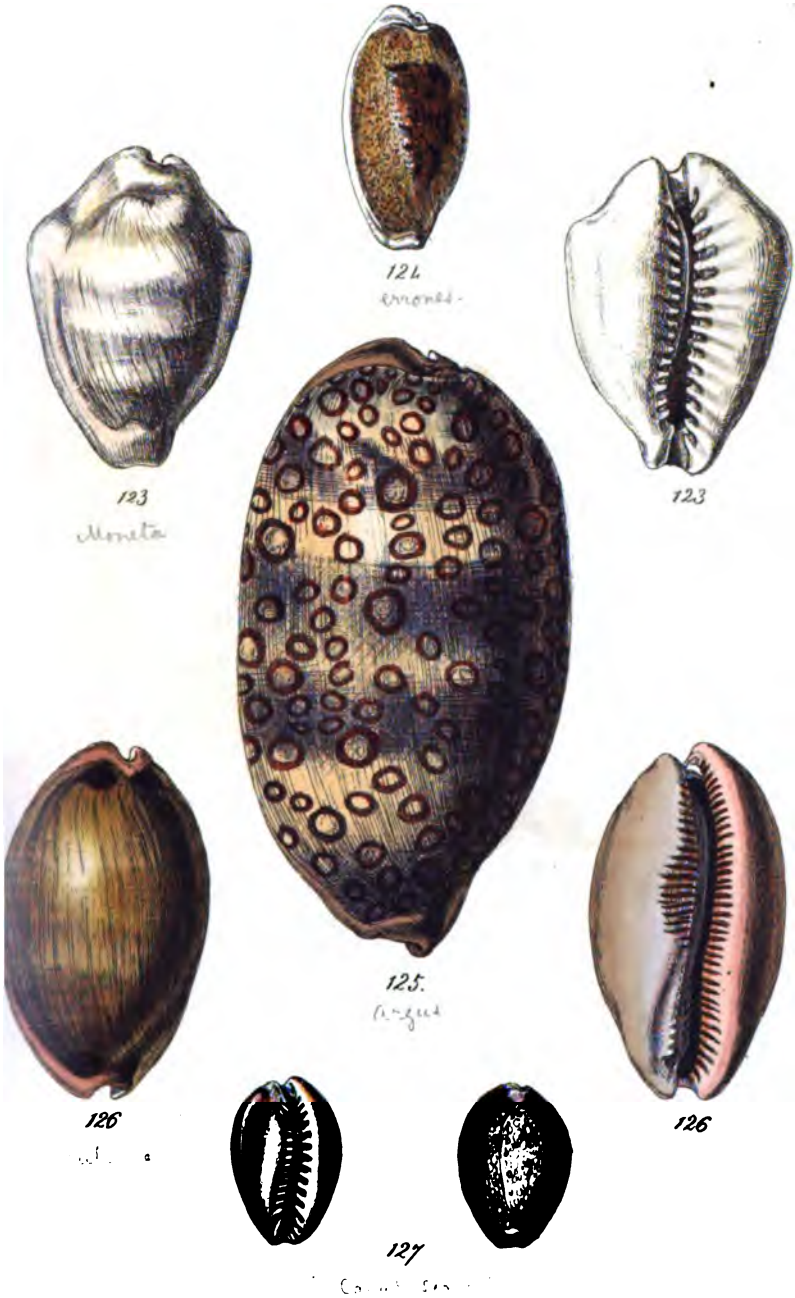
120

119

112

119

G.B.S. Jun. exc



G.B.S. junior

Cypræa

129

128

129

erronea.

130

125

Argus. Tonga.

130

Monetæ

131

Caput-serpentis

132

131

G.B. J. Jaiexc

Cypræa

135
Felina

123
adusta (onyx)

135
Felina.

136

136
Controversa.

124
[illegible]

137
[illegible]

127
Felina

G.B.S. Jun. exc.

Cypræa

128

128

fimbriata.

123

adusta (onyx)

129

129

lentiginosa.

124

[illegible] var.

130

130

G.B.S. Jun. exc.

Cypræa

Cypræa

Cypræa

G B S Jun.r exc

Cypræa

153

154

154

152

153

153

153

G. B. S. Junr exc

Cypræa

157

158

Caurica
East Indies.

159

156

Mus.
West Indies.

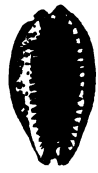
160
Caurica

160

G.B.S.

159
[illegible]

161
[illegible]



161

158
[illegible]

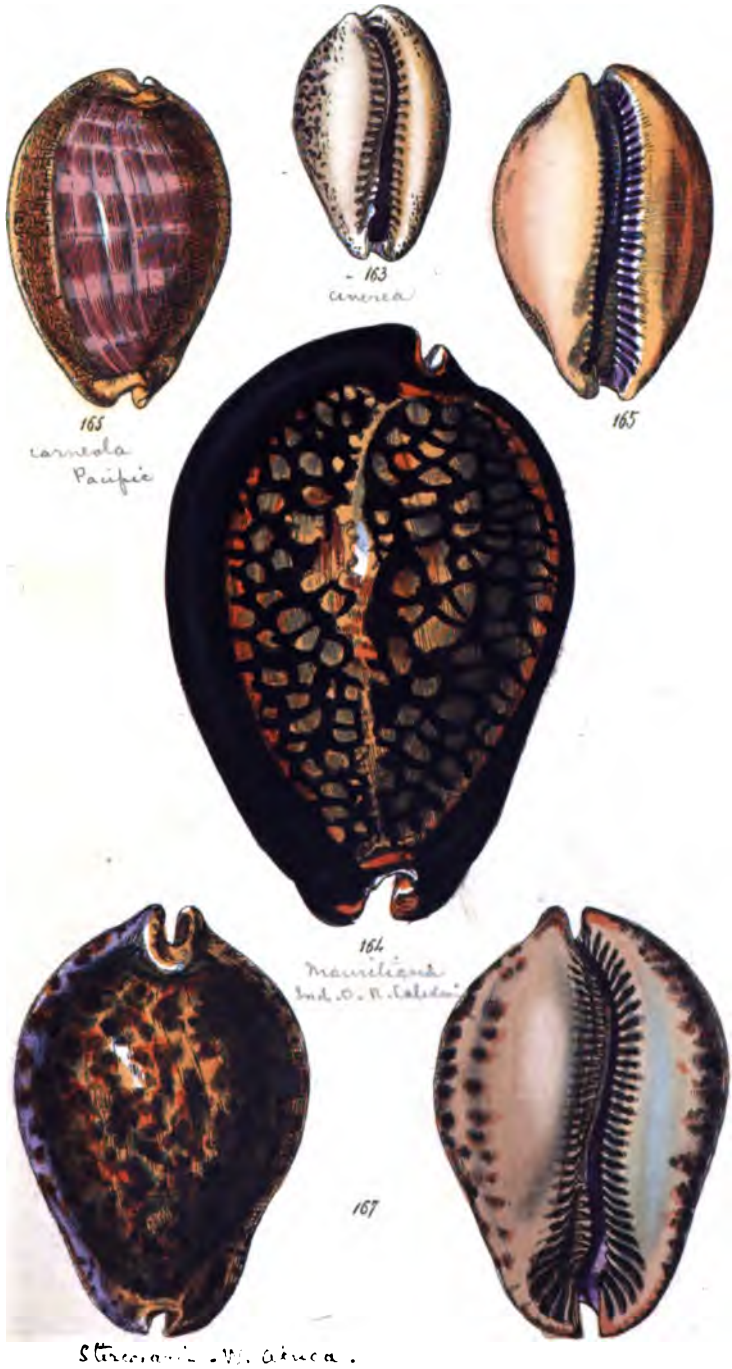
162
[illegible]

162

157
[illegible]

G.B.S. Jun exc

Cypræa



Stercorari - W. Africa.

G.B.S. jun.

172
172
169
Umbilicata
var. Panthurica
170
170

The following Species and Varieties of the Genus

CONUS

Are contained in parts 24, 25, 28, 29, 32, 33, 36, 37, 54 *to* 57, 147, 148, 151 to 158, *of the*

CONCHOLOGICAL ILLUSTRATIONS.

FIG.

1, 1*. C. muriculatus *Nob.* Z. P. 1841. Isl. Masbate, Philippines, on Coral Reefs.

2. C. albo-maculatus, *Nob.* Z. P. 1841. (C. bicolor. Con. Illus.)

3, 3*. C. maculosus & var. *Nob.* Z. P. 1841. Isl. Capul. Philippines.

4. C. Zebra, Lam.

5, 5*. C. Fabula, *Nob.*

6. C. nanus, *Brod.* Z. P. 1833. Lord Hood's Island.

7. C. aurora, *Lam.*

8, 8*. C. luteus, *Brod.* Annaa.

9. C. arcuatus, *Nob.* Z. G. IV. 379. Bay of Montija. Sandy mud, at 15 fathoms.

10. C. tiaratus, *Brod.* Z. P. 1833. Galapagos Islands.

11. C. alveolus, *Nob.* Z. P. 1841.

12. C. legatus, *Lam.* Musivum, *Brod.* Z. P. 1833. Philippines.

13. 13*. C. purpurascens, *Brod.* Z. P. 1833. Annaa.

14. C. venulatus, *Lam.* var. C. nivifer, *Brod.* Z. P. 1833. Cape De Verd Islands.

15. C. planicostatus, *Nob.* Z. P. 1841.

16. C. aspersus, *Nob.* Z. P. 1841. St. Croix. W. J.

17. C. acuminatus, var. (C. insignis, Con. Illus.)

18. C. bicolor, *Nob.* Z. P. 1841.

19. C. modestus, *Nob.* perhaps a variety of cinereus.

20. C. unicolor, *Nob.*

21. C. vittatus, *Lam.* var.

22. C. cardinalis, *Lam.* var.? (C. ornatus, Con. Illus.)

FIG.

23. C. maculiferus, *Nob.* Z. P. 1841.
24. C. bullatus, *Lam.* var.
25 C. tornatus, *Brod.* Z. P. 1833. Panama.
26. C. geographus, var. (C. obscurus, Con. Illus.)
27. C. Daucus, *Brug.* var. "lutea, fasciata et punctata." (Croceus, list.)
28 C. discrepans.
29. C. regularis, var. *Nob.* Z. P. 1841.
30. C. Princeps, var. *Brod.* Z. P. 1833. St. Elena.
30, a, b, C. Princeps, varietates. Monte Christe, Panama.
31. C. Nux, *Brod*, Z. P. 1833. Galapagos Isl.
32. C. concinnus, *Brod.* Z. P. 1833. Gulph of California.
33. C. geographus, var. rosea, *Brod.* Z. P. 1833. Annaa.
34. C. Gladiator, *Brod.* Z. P. 1833. Panama.
35. C. artoptus, *Nob.* Z. P. 1841. S. Seas.
36. C. incurvus, *Brod.* Z. P. 1833. Monte Christe.
37. C. monilifer, *Sow.* Z. P. 1833. Salango.
38. C. Archon, *Brod.* Z. P. 1833. Bay of Montija.
39. C. Glans, var.?
40. C. Orion. *Brod*, Z. P. 1833. Rio. Llejos
41. C. inflatus, *Nob.*
42. C. consors, *Nob.* Z. P. 1841.
43. C. cinereus, var.
44. C. Spectrum, var.
45. C. regularis, *Nob.* Z. P. 1841.
46. C. Ammiralis, var. coronatus.
47. C. venulatus, *Lam.* var. (C. nivifer, *Brod.*) Cape De Verd Isl.
48. C. Mercator var.?
49. C. Catus, var.
50. C. Hyæna *Lam.*?
51. C. sphacelatus, *Nob.* Z. P. 1841.
52. C. cedo-nulli, var?
53. C. splendidulus, *Nob.* Z. P. 1841.
54. C. promethæus, young? (C. papillaris C. I. list.)
55. C. proteus *Lam.* / Leoninus *Lam.* } var? (C. Breviculus C. I. list.)
56. C. Sinensis. (not fine.) China.

FIG.

57. C. dispar
58. C. balteatus, *Nob.* Probably a variety of C. lividus.
59. C. concolor, *Nob.* Z. P. 1841.
60. C. Mediterraneus, var, (C. glaucescens C. I. list.)
61. C. pulchellus, *Nob.* Z. P. 1834.
62. C. Nussatella, var.
63. C. brunneus, *Wood*, Suppl. pl. 3. f. 1. variety from Galapagos Isl.
64. C. tendineus, var. Annaa.
65. C. Elventinus, Duclos, Guerin. Icon. Sept. 1833.
66. C. algoensis, *Nob.* Z. P. 1834. Algoa Bay.
67. C. vitulinus, var.
68. C. flavescens, *Gray.*
69. C. pusio. *Nob.*
70. C. textile, var.
71. C. auratus *Lam.* (C. aulicus, var ?)
72. C. nimbosus, var.
73. C. monachus, var ?
74. C. Capitaneus, var.
75. C. flammeus, *Lam.* var ?
76. C. solidus, *Nob.* Z. P. 1841. (Textile, var. list.)
77. C. mustelinus, test. jun. ?
78. C. pauperculus, *Nob.* Z. P. 1841.
79. C. maculosus, test. jun ? (C. papilliferus C. I. list.)
80. C. Thalassiarchus, *Gray.*
81. C. miliaris, var. granulatus. (C. minimus, C. I. list.)
82. C. fulgetrum *Nob.* Z P. 1841.
83. C. lividus *Lam.* var. (C. Roseus, *Lam.* C. I. list.)
84. C. venulatus, *Lam.* var. (C. nivifer, *Brod.* C. I. list.)
85. C. Thalassiarchus, var.
86. C. reticulatus, *Wood.*
87. C. Regalitatis, *Nob.* Z. P. 1834. Real Llejos.
88. C. brunneus, *Wood.* (C. Diadema, C. I. list.)
89. C. monachus, var.
90, 90*. C. Proteus, test. jun. (C. Papilionaceus, test. jun. (Con. Illus. list.)
91. C. luzonicus. *Lam* ?
92 93 C. Tulipa.
94. C. Cervus.

Conus.

8 Luteus.

9 arcuatus
Montija
15. R.

8* Luteus
Annaa
17 R.

10 tiaratus
Minimus Gallapagos.
15. R.

13 Purpurascens
Annaa
19 R.

14 venulatus
Cabo de Verdes.
35 R.

11 almolus: [illegible]
Shamimus [illegible]
42 R.

13*

12 Socolus
Philippinus
[illegible]

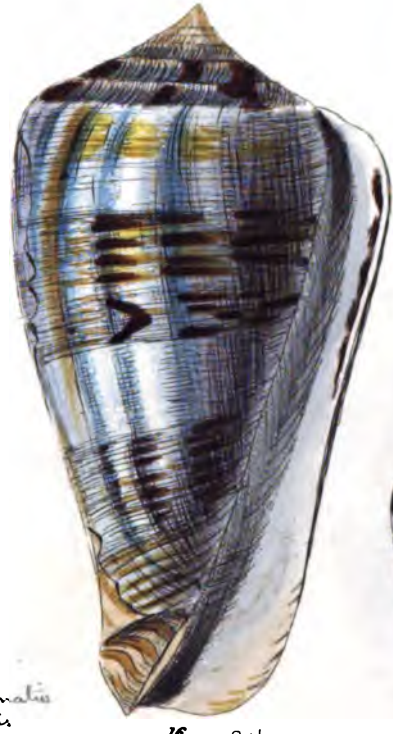
G.B.S. jun. exc.

Conus

15

planicostat

15



16 Aspersus

17 acuminatus
insignis

18 bicolor.

19

20

21

G.B.S. jun. exc.

22 Cardinalis var. ornatus.

23 maculiferus

25 tornatus Panama

24 Bullatus. var. Corvus: Neeus. 22. R.

26 geographicus. var. obscurus.

27 Daucus W. Ind.

28 discrepans.

29 regularis_var

G.B.S. jun. exc.

Conus.

flavescens.

68

30 R.

fusio

69

R. 16.

73 monachus var.

22 R.

71 Auratus, Aulicus var.

25 R.

72 nimbosus var.

13 R.

75 flammeus var.

27 R.

74 Capitaneus var.

11 R.

70 [illegible] var.

[illegible]

Conus.

77

6 R.

76

5. R.

78

20 R.

70

80

2. R.

81

3½ R.

82

83

38 R.

84

36

G.B.S. jun. exc.

Conus.

85 Thalassiarchus var.
R. 2

87 Regalitatis
Real [illegible]
R. 40

86 [illegible]
R. 11.

88 Brunneus
[illegible]
R. 14.

89 [illegible]
R. 22

91 [illegible]

90 [illegible]
R. 40.

90* 34 [illegible]

G.B.S. jun. exc.

93 Tulipa
94 Cervus
Deshayesii Reve
R. 5
95
geographus
92 Tulipa
96 butir

98
99
Germanus
97
100
102
101

Conus

103

Centurio

103

Centurio

4 V 28

104.

106.

105

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